18th World Congress on Ultrasound in Obstetrics and Gynecology
24-28 August 2008, Chicago, USA

Final Program

40 AMA PRA Category 1 Credits™
36 ECMEC Credit Points
**Venue floor plans**

Key:
- Meeting room
- Exhibition
- Sponsors
- Congress Party
- Speaker preparation room
- Obstetric session hall/Plenary sessions
- Gynecology session hall
- Posters

**Critical dates and times**

**Registration opening hours**
The Navy Pier registration area is located at the entrance to the exhibition hall and is open at the following times:
- Saturday 23 August 2008: 07:30–15:00
- Sunday 24 August 2008: 07:30–19:30
- Monday 25 August 2008: 07:15–18:00
- Tuesday 26 August 2008: 07:30–18:00
- Wednesday 27 August 2008: 07:30–18:00
- Thursday 28 August 2008: 07:30–16:30

**Scientific program hours**
The scientific program sessions will take place in the Grand Ballroom and Room 205–207. Poster sessions are located in the areas marked in orange on the floor plan. Please refer to the program for exact locations.
- Sunday 24 August 2008: 10:00–18:00
- Monday 25 August 2008: 08:00–18:00
- Tuesday 26 August 2008: 08:00–18:00
- Wednesday 27 August 2008: 08:00–18:00
- Thursday 28 August 2008: 08:00–14:00

**Speakers’ preparation room opening hours**
The speakers’ preparation room is located in room 323 on the third floor of the Navy Pier and is open at the following times:
- Sunday 24 August 2008: 07:30–18:00
- Monday 25 August 2008: 07:30–18:00
- Tuesday 26 August 2008: 07:30–18:00
- Wednesday 27 August 2008: 07:30–18:00
- Thursday 28 August 2008: 07:30–14:00

Speakers **MUST** check in their presentation at the speakers’ preparation room at least four hours prior to the commencement of the session.

**Exhibition opening hours**
- Sunday 24 August 2008: 18:30–21:30
- Monday 25 August 2008: 09:30–17:00
- Tuesday 26 August 2008: 09:30–17:00
- Wednesday 27 August 2008: 09:30–17:00
- Thursday 28 August 2008: 09:30–14:00
Welcome message

ISUOG’s 2008 host committee is extremely proud to welcome you to Chicago and the 18th World Congress. We are delighted to be welcoming well over 1,000 participants from over 70 countries. We hope that our Congress’s breathtaking location, right on the Chicago lakefront, will inspire you to participate actively in our on-site activities, but also that you will find time to enjoy the city to the full through its first class shopping, museums, varied dining opportunities and its thriving blues, jazz and theatre scene.

The local and international host committees, scientific committee and our incredible ISUOG administrative staff have developed an outstanding program both educationally and socially. With almost 1000 presentations the opportunity to learn new and exciting applications of ultrasound in Ob/Gyn is nearly endless. It is thanks to the cutting edge research submitted by you to our annual meetings that ISUOG can continue to be at the forefront of expanding the boundaries of diagnostic imaging.

The unique plenary presentations should prove to be an exciting addition to our already excellent meeting. On Sunday we have a special program which showcases the best new scientific presentations for the year; the return of our Ultrasound Millionaire cup winners from 2007 and their new challengers; and a very special highlight lecture by Dr Skip Granai which explores the human aspects of our academic and clinical challenges.

Our exhibitors will also provide attendees the opportunity to see the newest products available to the market.

We look forward to greeting you personally and are confident ISUOG 2008 will prove to be a memorable event.

Lawrence D. Platt
Ahmet A. Baschat

Program (general)

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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.

Recording of sessions
Please note that it is increasingly difficult to prevent individuals from recording sessions. 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.

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 present a background review of 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. 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.

Chairpersons only
- There will be a chairpersons’ briefing on Sunday 24 August at 18:45 in Room 202 following the opening plenary session. Please ensure you attend (drinks will be served).
- 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 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 questions will be managed to ensure the best use of the time available.

Speakers (invited and OC presentations) 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 poster (OP and P) presenters
- 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.
- Posters will be on display from Monday 25 to Thursday 28 August 2008 in PowerPoint format. Delegates will be able to view posters in various locations throughout the venue.
- Presentations will be destroyed at the end of the Congress and will not be kept, used again, recorded or otherwise reproduced.

Oral poster (OP) presenters – chaired discussion sessions
- You will have been previously informed of the day of your poster presentation in your abstract acceptance letter. Presenters should be available to answer questions at their specific discussion session (please refer to this program if you are unsure). Presenters should arrive at the relevant poster room at least 10 minutes prior to the listed start time for the discussion group.
- On the day of presentation, posters will be presented on a continuous rolling loop within the relevant poster session area.

Please note that delegates will not be permitted to stand at the back of the hall due to fire regulations.
Speaker declarations

The following declarations have been received:

J. Abramowicz  Research instruments provided by Zonare. (OP17.08)
A. Abuhamad  EVMS uses loaned ultrasound equipment from GE Healthcare. EVMS has licensing agreement with GE Healthcare for Sono VCAD.
R. Bataeva  Relationship with Medison. (OP08.12)
J. Carvalho  Sponsorship for participation in Congress and equipment loan from ALOKA, arranged by the ISUOG organising committee (no financial interest in company).
J. Chung  Financial interest from Medison Co. Supported in part by a grant from the Medison Research Fund. (OP01.12)
L. Cohen  On the speaker bureau for both Philips and GE Ultrasound. (OP02.06 & OP02.12)
H. Di  Users of Voluson 730 and Logic 7, provided by GE Health System. (OP12.11)
C. Exacoustos  Relationship with GE Healthcare (no financial interest, only tests and research on new sonographic softwares). (OP05.01)
S. Goldstein  Consultant for Cook Ob/Gyn, Ackrad Labs.
C. Hsiao  Relationship with GE Healthcare. (OP01.10)
W. Lee  Consultant for both Siemens Medical Solutions and GE Healthcare with limited research support. (OP08 & OC119)
G. Piu  Equipment loan from GE Healthcare.
L. Platt  Consultant for GE Medical Systems and Philips Medical Systems with Research support from both. On the Board of Directors for Insightec Ltd.
D. Pretorius  Consultant for Philips Medical Systems. Equipment loans from both Philips Medical Systems and GE Healthcare. (OP24.02)
N. Raine-Fenning  Consultancy agreement and equipment loan with GE Medical Systems.
G. Ramos  Dr Pretorius is a consultant for Philips Medical Systems. The University of California, San Diego has received ultrasound equipment loans from Philips Medical Systems for research purposes. (OC040)
W. Sepulveda  Member of the Medison speaker bureau.
E. Stewart  Clinical trial investigator for Insightec (previous relationship as a consultant for Insightec).
F. Vinals  Relationship with GE Healthcare. Clinical evaluation of ultrasound systems. (OC028, OP03.07 & OP03.07)
B. Xin Lin Chen  Ultrasound equipment provided by Siemens. (OC080)

Declarations have not been received from the following speakers: C. Bamberg (Germany), M. Kim (Republic of Korea), S. Molina (Colombia), Q. Min (China), F. Molina Garcia (Spain), M. Pietryga (Poland), D. Zhang (China)
International Society of Ultrasound in Obstetrics and Gynecology

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

Sunday 24 August 2008
15:30
Grand Ballroom, Navy Pier

All fully paid delegates at ISUOG’s 18th World Congress in Chicago are automatically enrolled as members of ISUOG in 2009 and are encouraged to attend the AGM.

List of invited speakers

<table>
<thead>
<tr>
<th>J. Abramowicz, USA</th>
<th>D. D’Agostini, USA</th>
<th>S. Laifer-Narin, USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Abuhamad, USA</td>
<td>M. D’Alton, USA</td>
<td>T. Lau, China</td>
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<tr>
<td>R. Achiron, Israel</td>
<td>G. DeVore, USA</td>
<td>W. Lee, USA</td>
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<td>J. Alcázar, Spain</td>
<td>H. Dietz, Australia</td>
<td>C. Lees, UK</td>
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<td>Z. Alfìrevic, UK</td>
<td>M. Divon, USA</td>
<td>A. Lev-Toaff, USA</td>
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<td>L. Allan, UK</td>
<td>E. Dreisler, Denmark</td>
<td>P. Libby, USA</td>
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<td>R. Axt-Fliedner, Germany</td>
<td>S. Eik-Nes, Norway</td>
<td>G. Malingner, Israel</td>
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<td>R. Bahado-Singh, USA</td>
<td>E. Epstein, Sweden</td>
<td>G. Mari, USA</td>
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<td>K. Barnhart, USA</td>
<td>J. Espinosa, USA</td>
<td>K. Marşal, Sweden</td>
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<td>A. Baschat, USA</td>
<td>C. Excavostus, Italy</td>
<td>D. Maulik, USA</td>
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<td>B. Benacerraf, USA</td>
<td>E. Ferrazzi, Italy</td>
<td>M. Merialdi, Switzerland</td>
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<td>C. Berg, Germany</td>
<td>D. Fischerova, Czech Republic</td>
<td>E. Merz, Germany</td>
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<td>V. Berghella, USA</td>
<td>A. Fleischer, USA</td>
<td>A. Mikhailov, Russia</td>
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<td>D. Bianchi, USA</td>
<td>A. Gagnon, Canada</td>
<td>M. Momtaz, Egypt</td>
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<td>C. Bilardo, Netherlands</td>
<td>H. Galan, USA</td>
<td>A. Monteagudo, USA</td>
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<td>H. Blaaas, Norway</td>
<td>H. Gardiner, UK</td>
<td>A. Ngu, Australia</td>
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<td>M. Blanchette-Porter, USA</td>
<td>T. Ghi, Italy</td>
<td>K. Nicolaides, UK</td>
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<td>C. Bottomley, UK</td>
<td>S. Goldstein, USA</td>
<td>A. Odibo, USA</td>
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<td>T. Bourne, UK</td>
<td>S. Granai, USA</td>
<td>D. Paladinini, Italy</td>
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<td>C. Brezinka, Austria</td>
<td>E. Gratacos, Spain</td>
<td>A. Papageorgiou, UK</td>
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<td>M. Bronshtein, Israel</td>
<td>S. Gudmundsson, Sweden</td>
<td>A. Parsons, USA</td>
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<td>P. Calda, Czech Republic</td>
<td>M. Hansmann, Germany</td>
<td>O. Petersen, Denmark</td>
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<td>S. Campbell, UK</td>
<td>K. Hecher, Germany</td>
<td>G. Pilu, Italy</td>
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<td>J. Carvalho, UK</td>
<td>E. Hernandez-Andrade, Spain</td>
<td>L. Platt, USA</td>
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<td>R. Chaoui, Germany</td>
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<td>D. Pretorius, USA</td>
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<td>L. Cohen, USA</td>
<td>D. Jurkovic, UK</td>
<td>L. Puschke, USA</td>
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<td>G. Condous, Australia</td>
<td>K. Kalache, Germany</td>
<td>R. Quintero, USA</td>
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<td>J. Copel, USA</td>
<td>E. Kirk, UK</td>
<td>N. Raine-Fenning, UK</td>
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<td>B. Cuneo, USA</td>
<td>T. Kiserud, Norway</td>
<td>S. Rigano, Italy</td>
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<td>A. Czekierdowski, Poland</td>
<td>C. Kleinman, USA</td>
<td>R. Romero, USA</td>
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<td>R. Sabbagha, USA</td>
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<td>K. Salvesen, Norway</td>
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<td>W. Sepulveda, Chile</td>
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<td>N. Silverman, USA</td>
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<td>M. Sklansky, USA</td>
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<td>M. Solari, USA</td>
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<td>J. Sonek, USA</td>
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<td>A. Steensma, Netherlands</td>
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<td>E. Stewart, USA</td>
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<td>A. Tabor, Denmark</td>
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<td>S. Tan, Canada</td>
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<td>A. Testa, Italy</td>
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<td>B. Thilaganathan, UK</td>
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<td>D. Timmerman, Belgium</td>
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<td>I. Timor-Tritsch, USA</td>
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<td>B. Tutschek, Germany</td>
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<td>H. Valensise, Italy</td>
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<td>T. Van Den Bosch, Belgium</td>
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<td>Y. Ville, France</td>
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<td>F. Vinals, Chile</td>
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<td>A. Vintzileos, USA</td>
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<td>R. Wapner, USA</td>
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<td>I. Wilkins, USA</td>
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<td>S. Yagel, Israel</td>
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<td>G. Yeo, Singapore</td>
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<td>L. Yeo, USA</td>
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<td></td>
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<td>Y. Zalel, Israel</td>
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4
Program orientation

- Saturday courses and daily meet the professor sessions take place at the InterContinental Chicago, 505 North Michigan Avenue, Chicago. The remaining program takes place at Navy Pier.
- The program at a glance gives you an outline to each day’s events including session titles and times, and refreshment breaks.
- The program pages give you the detailed chronological listing of events – please note that most sessions run in parallel so you will need to read through all sessions of similar time to decide which best suits your needs.
- In all 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 sessions include ‘live scan’ demonstrations: 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 to as ‘OP’ numbers and view only posters are referenced as ‘P’ numbers.
- All oral poster (chaired discussion) sessions will be judged within their subject categories. The best oral poster presenters in each session will receive certificates and will be formally acknowledged in the Journal Ultrasound in Obstetrics & Gynecology.
- There will be one overall ‘best abstract’ prize awarded at the Annual General Meeting.
- There are allocated chaired poster discussion times for oral poster sessions (OP). Poster authors are asked to be present during the relevant discussion session (these are listed at the appropriate times in the program pages).
- The exhibition hall opens at 09:30 each day in time for the morning coffee break. All refreshment breaks are located within this room.

Visit the ISUOG Lounge in the Exhibition Hall to find out more about...

- ISUOG membership and ISUOG’s new website
- Submitting articles to ISUOG’s official journal: Ultrasound in Obstetrics and Gynecology (UOG)
- Accessing UOG online
- ISUOG’s online educational resources

Special events on the ISUOG Stand:

- Meet the Publisher: representatives from the publisher Wiley-Blackwell will be on the ISUOG stand at all times.
- Meet an Editor: ISUOG’s managing Editor Sarah Hatcher and/or UOG’s Editors will be on the stand to answer any questions you have on the editorial process.
- Membership & Website Clinic: answer all your member queries and find out more about the new ISUOG website.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday 25th</th>
<th>Tuesday 26th</th>
<th>Wednesday 27th</th>
<th>Thursday 28th</th>
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<tbody>
<tr>
<td>09:00 - 17:00</td>
<td>Meet the Publisher</td>
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<td>10.00 - 11.15</td>
<td>Meet an Editor</td>
<td>Membership &amp; Website Clinic</td>
<td>Meet an Editor</td>
<td>Meet an Editor</td>
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<td>(morning break)</td>
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<tr>
<td>12.30 - 14.00</td>
<td>Meet an Editor</td>
<td>Membership &amp; Website Clinic</td>
<td>Meet an Editor</td>
<td>Meet an Editor</td>
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<td>(lunch)</td>
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<tr>
<td>15.45 - 16.30</td>
<td>Membership &amp; Website Clinic</td>
<td>Membership &amp; Website Clinic</td>
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<td>(afternoon break)</td>
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# Program at a glance

## Saturday 23 August 2008 InterContinental Chicago, Michigan Avenue

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<tr>
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<th>Session</th>
<th>Room</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>07:30</td>
<td>InterContinental, Seville Ballroom</td>
<td>Registration</td>
<td>205–207</td>
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</tr>
<tr>
<td>09:00–12:30</td>
<td>Obstetrics Just Images</td>
<td>Non-invasive prenatal diagnostic: are cell-free nucleic acids better than ultrasound?</td>
<td>202, 204, 324–327</td>
<td>Welcome; top 5 abstracts</td>
</tr>
<tr>
<td>14:00–15:00</td>
<td>Live scan demonstration</td>
<td>Fetal heart I: Diagnostic advances</td>
<td>202, 324–327</td>
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<tr>
<td>16:00–16:30</td>
<td>Live scan demonstration</td>
<td>Pre-term labour</td>
<td>324–327</td>
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<td>18:30–21:30</td>
<td>COFFEE &amp; POSTER VIEWING</td>
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## Sunday 24 August 2008

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<tr>
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<th>Notes</th>
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<tbody>
<tr>
<td>07:30–20:00</td>
<td>Grand Ballroom</td>
<td>Registration</td>
<td>202, 204, 324–327</td>
<td>Exhibition hall</td>
</tr>
<tr>
<td>09:00–12:30</td>
<td>Obstetrics Just Images</td>
<td>The 11–14 week scan</td>
<td>202, 204, 324–327</td>
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<tr>
<td>14:00–15:00</td>
<td>Live scan demonstration</td>
<td>Fetal CNS</td>
<td>202, 324–327</td>
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<tr>
<td>16:00–16:30</td>
<td>Live scan demonstration</td>
<td>Abnormal bleeding and fibroids</td>
<td>324–327</td>
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<tr>
<td>18:30–21:30</td>
<td>COFFEE &amp; POSTER VIEWING</td>
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## Monday 25 August 2008

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<th>Session</th>
<th>Room</th>
<th>Notes</th>
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<tr>
<td>07:00–07:45</td>
<td>Grand Ballroom</td>
<td>Meet the Professor breakfast sessions</td>
<td>205–207</td>
<td>Exhibition hall</td>
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<tr>
<td>08:00–08:45</td>
<td>Keynote lecture</td>
<td>Deep endometriosis</td>
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<tr>
<td>08:45</td>
<td>Live scan demonstration</td>
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<tr>
<td>09:00–12:30</td>
<td>Obstetrics Just Images</td>
<td>The 11–14 week scan</td>
<td>202, 204, 324–327</td>
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<td>14:00–15:00</td>
<td>Live scan demonstration</td>
<td>Fetal heart II: Diagnostic advances</td>
<td>202, 324–327</td>
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<tr>
<td>16:00–16:30</td>
<td>Live scan demonstration</td>
<td>Assisted reproductive technologies (in association with ESHRE)</td>
<td>324–327</td>
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<tr>
<td>18:30–21:30</td>
<td>COFFEE &amp; POSTER VIEWING</td>
<td></td>
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## Tuesday 26 August 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
<th>Room</th>
<th>Notes</th>
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<tbody>
<tr>
<td>07:00–07:45</td>
<td>Grand Ballroom</td>
<td>Meet the Professor breakfast sessions</td>
<td>205–207</td>
<td>Exhibition hall</td>
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<tr>
<td>08:00–08:45</td>
<td>Keynote lecture</td>
<td>Assisted reproductive technologies (in association with ESHRE)</td>
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<tr>
<td>08:45</td>
<td>Live scan demonstration</td>
<td>Fetal heart II: Diagnostic advances</td>
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<tr>
<td>09:00–12:30</td>
<td>Obstetrics Just Images</td>
<td>The 11–14 week scan</td>
<td>202, 204, 324–327</td>
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<tr>
<td>14:00–15:00</td>
<td>Live scan demonstration</td>
<td>Early pregnancy – PUL and ectopic pregnancy</td>
<td>202, 324–327</td>
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<tr>
<td>16:00–16:30</td>
<td>Fetal and maternal Doppler</td>
<td>Early pregnancy miscarriage</td>
<td>324–327</td>
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<tr>
<td>18:30–21:30</td>
<td>COFFEE &amp; POSTER VIEWING</td>
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</tbody>
</table>

* Meet the professor breakfasts must be pre-booked, see page 9 for details
### Program at a glance

#### Wednesday 27 August 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>ORAL SESSIONS</th>
<th>ORAL POSTERS</th>
<th>POSTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00–07:45</td>
<td>Meet the Professor breakfast sessions, Ferris Room, InterContinental*</td>
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<tr>
<td>08:00–08:45</td>
<td>Keynote lecture Molecular imaging in cardiology P. Libby (USA)</td>
<td>OP13</td>
<td>P36</td>
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<tr>
<td></td>
<td>Live scan demonstration</td>
<td>OP14</td>
<td>P37</td>
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<tr>
<td></td>
<td>Fetal growth &amp; surveillance</td>
<td>OP15</td>
<td>P38</td>
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<td></td>
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<td>OP16</td>
<td>08:45</td>
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<td>OP17</td>
<td>09:00–10:00</td>
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<td>10:00–10:45</td>
<td>Chaired discussions</td>
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<tr>
<td>10:45–11:15</td>
<td>Live scan demonstration</td>
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<tr>
<td>11:15–12:30</td>
<td>Multiple pregnancy</td>
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<td>12:30–14:00</td>
<td>GE Healthcare satellite symposium (12:45–13:45)</td>
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<td>14:00–16:00</td>
<td>Live scan demonstration</td>
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<tr>
<td>16:30–18:00</td>
<td>Detailed fetal anatomy</td>
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<td>09:00–10:00</td>
<td>Fetal heart III: 4D &amp; outcomes</td>
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<td>Chaired discussions</td>
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<td>10:45–11:15</td>
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<tr>
<td>16:30–18:00</td>
<td>Detailed fetal anatomy</td>
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#### Thursday 28 August 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>ORAL SESSIONS</th>
<th>ORAL POSTERS</th>
<th>POSTERS</th>
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<tbody>
<tr>
<td>07:00–07:45</td>
<td>Meet the Professor breakfast sessions, Ferris Room, InterContinental*</td>
<td></td>
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</tr>
<tr>
<td>08:00–08:45</td>
<td>Keynote lecture Why pelvic floor reconstructive surgeons need ultrasound imaging H. Dietz (Australia)</td>
<td>OP19</td>
<td>P42</td>
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<tr>
<td></td>
<td>Live scan demonstration</td>
<td>OP20</td>
<td>P43</td>
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<td></td>
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<td>OP21</td>
<td>P44</td>
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<td></td>
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<td>OP22</td>
<td>08:45</td>
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<td></td>
<td>OP23</td>
<td>09:00–10:00</td>
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<tr>
<td>10:00–10:45</td>
<td>Chaired discussions</td>
<td>OP24</td>
<td>P46</td>
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<td>11:00–12:30</td>
<td>Fetal interventions</td>
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<td>12:30–14:00</td>
<td>Philips satellite symposium (12:45–13:45)</td>
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<td>14:00–16:30</td>
<td>Controversies in obstetric imaging – Debate: Is 3D/4D clinically useful?</td>
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<td>Live scan demonstration</td>
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#### Key:
- Location – Navy Pier
- Location – InterContinental hotel
- Pre-Congress courses
- Opening plenaries
- Social
- Gynecology sessions
- Obstetric sessions
- Live scan
- Speaker preparation room
- Exhibition
- Sponsors
- Meeting room
- Posters

* Meet the professor breakfasts must be pre-booked, see page 9 for details
## Posters at a glance

**OP – Oral Posters** are presented at 10:00 and are available for viewing all day  
**P – Posters** are available for viewing all day

<table>
<thead>
<tr>
<th>Day</th>
<th>Poster session</th>
<th>Discussion time</th>
<th>Room</th>
<th>Presentations and viewing</th>
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<tr>
<td><strong>Monday</strong></td>
<td><strong>OP01:</strong> Aneuploidy screening in the first trimester</td>
<td>10:00–10:45</td>
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<tr>
<td></td>
<td><strong>OP02:</strong> Fetal heart I</td>
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<td>324</td>
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<tr>
<td></td>
<td><strong>OP03:</strong> Fetal neurosonography and CNS anomalies</td>
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<td></td>
<td><strong>OP04:</strong> Imaging techniques and technology</td>
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<tr>
<td></td>
<td><strong>OP05:</strong> Complementary imaging and therapies</td>
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<td>Presentation: 205–207; viewing: 204</td>
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<td></td>
<td><strong>OP06:</strong> Pelvic pain and endometriosis</td>
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<td>202</td>
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<tr>
<td>P</td>
<td><strong>P25:</strong> Aneuploidy and other fetal anomalies in the first trimester</td>
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<td>P</td>
<td><strong>P26:</strong> Fetal echocardiography and CHD I</td>
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<td>P</td>
<td><strong>P27:</strong> Fetal neurosonography and CNS anomalies</td>
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<tr>
<td>P</td>
<td><strong>P28:</strong> New imaging technologies</td>
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<tr>
<td>P</td>
<td><strong>P29:</strong> Pelvic pain and endometriosis</td>
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<td>P</td>
<td><strong>P30:</strong> Abnormal bleeding and fibroids</td>
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<td><strong>Tuesday</strong></td>
<td><strong>OP08:</strong> Fetal heart II</td>
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<td><strong>OP09:</strong> First trimester ultrasound</td>
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<td><strong>OP10:</strong> Multiple pregnancies</td>
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<td><strong>OP11:</strong> Pre-eclampsia screening and uterine artery Doppler</td>
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<td><strong>OP12:</strong> Early pregnancy</td>
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<td><strong>P31:</strong> Fetal echocardiography and CHD II</td>
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<tr>
<td>P</td>
<td><strong>P32:</strong> Maternal fetal Doppler</td>
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<tr>
<td>P</td>
<td><strong>P33:</strong> Second and third trimester malformations I</td>
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<td>P</td>
<td><strong>P34:</strong> Ultrasound in obstetric management I</td>
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<tr>
<td>P</td>
<td><strong>P35:</strong> Early pregnancy</td>
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<td><strong>Wednesday</strong></td>
<td><strong>OP13:</strong> Fetal anomalies I</td>
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<td><strong>OP14:</strong> Fetal growth restriction</td>
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<td><strong>OP15:</strong> Screening and diagnosis in pregnancy</td>
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<td><strong>OP16:</strong> Twins</td>
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<td><strong>OP18:</strong> Reproductive medicine</td>
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<td><strong>P36:</strong> Fetal growth restrictions</td>
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<td><strong>P37:</strong> Multiple pregnancies</td>
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<td><strong>P38:</strong> Second and third trimester malformations II</td>
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<td><strong>P39:</strong> Ultrasound in obstetric management II</td>
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<td>P</td>
<td><strong>P41:</strong> Reproductive medicine</td>
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<td><strong>Thursday</strong></td>
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<td>10:00–10:45</td>
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<td><strong>OP20:</strong> Fetal Doppler</td>
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<td><strong>OP21:</strong> Fetal heart III</td>
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<td><strong>OP22:</strong> Fetal interventions</td>
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<td><strong>OP23:</strong> Ultrasound in obstetric management</td>
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<td><strong>OP24:</strong> Pelvic floor</td>
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<td>Presentation: 205–207; viewing: 204</td>
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<td><strong>P42:</strong> Fetal interventions</td>
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<td>P</td>
<td><strong>P43:</strong> Fetal MRI</td>
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<td>P</td>
<td><strong>P44:</strong> Second and third trimester screening and diagnosis</td>
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<td>P</td>
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<tr>
<td>P</td>
<td><strong>P46:</strong> Complementary imaging and therapies</td>
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<td>Exhibition hall</td>
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</table>
Meet the Professor breakfast sessions

Meet the Professor breakfast sessions will be held in the Intercontinental Chicago from Monday 25 to Thursday 28 August at 7:00am and will run for 45 minutes. They must be booked in advance, and can be booked at the registration desk for $38 per session. You will need your ticket for entry.

<table>
<thead>
<tr>
<th>Day</th>
<th>Professor</th>
<th>Session title</th>
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<tbody>
<tr>
<td>Monday</td>
<td>A. Abuhamad (USA)</td>
<td>Obstetrical sonography – tricks of the trade</td>
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<td></td>
<td>L. Allan (UK)</td>
<td>Tips and tricks for fetal cardiac screening</td>
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<td></td>
<td>S. Campbell (UK)</td>
<td>4D ultrasonography – why, when, how?</td>
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<td></td>
<td>G. DeVore (USA)</td>
<td>Beyond the 4 chamber view – getting used to the outflow tract</td>
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<td>S. Goldstein (USA)</td>
<td>Significance of incidental sonographic findings in post menopausal women</td>
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<td></td>
<td>J. Hobbins (USA)</td>
<td>The undergrown fetus – what to do with it?</td>
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<td></td>
<td>K. Maršál (Sweden)</td>
<td>Ultrasound in your daily practice – how to keep it safe</td>
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<tr>
<td>Tuesday</td>
<td>J. Carvalho (UK)</td>
<td>Fetal heart screening and scanning during the first trimester</td>
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<td>J. Copel (USA)</td>
<td>Prenatal diagnosis of fetal heart dysrhythmias</td>
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<td></td>
<td>K. Hecher (Germany)</td>
<td>Assessment of chorionicity and its consequences on management in multiple pregnancy</td>
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<td></td>
<td>D. Jurkovic (UK)</td>
<td>The contribution of 3D to gynecological diagnosis</td>
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<td>G. Pilu (Italy)</td>
<td>Posterior fossa anomalies – assessment and counselling</td>
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<td>D. Timmerman (Belgium)</td>
<td>Diagnosis of ovarian tumours</td>
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<td>C. Spong (USA)</td>
<td>Progesterone and prematurity prevention</td>
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<tr>
<td>Wednesday</td>
<td>A. Baschat (USA)</td>
<td>Management of fetal growth restriction</td>
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<tr>
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<td>R. Chaoui (Germany)</td>
<td>The three-vessel trachea view</td>
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<tr>
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<td>E. Gratacós (Spain)</td>
<td>Congenital diaphragmatic hemia</td>
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<td>L. Platt (USA)</td>
<td>3D /4D ultrasound – optimising your yield in clinical diagnosis</td>
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<tr>
<td></td>
<td>I. Timor-Tritsch (USA)</td>
<td>3D in gynecology – luxury or necessity?</td>
</tr>
<tr>
<td></td>
<td>Y. Ville (France)</td>
<td>Monochorionic twins</td>
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<tr>
<td></td>
<td>S. Yagel (Israel)</td>
<td>Added value of 3D/4D in the diagnosis of congenital heart disease</td>
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<tr>
<td>Thursday</td>
<td>J. Abramowicz (USA)</td>
<td>3D/4D – the basics</td>
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<tr>
<td></td>
<td>C. Brezinka (Austria)</td>
<td>Safety of 1st trimester ultrasound – are we going too far?</td>
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<td></td>
<td>D. Pretorius (USA)</td>
<td>3D ultrasound of the pelvic floor</td>
</tr>
<tr>
<td></td>
<td>R. Quintero (USA)</td>
<td>Twin-twin transfusion syndrome and selective IUGR in monochorionic twins</td>
</tr>
<tr>
<td></td>
<td>L. Valentin (Sweden)</td>
<td>Postmenopausal bleeding</td>
</tr>
</tbody>
</table>
# Program – Saturday 23 August 2008

## Pre-Congress courses

### COURSE 1  Differential diagnosis of congenital anomalies: an interactive experience  
(with vignettes from traditional 2D, 3D, 4D, and Doppler)  
*Rm Seville Ballroom*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Introduction and “Rules of the Game” – 5 minutes</td>
<td><em>R. Romero (USA)</em></td>
</tr>
<tr>
<td>09:35</td>
<td>Case presentation questions</td>
<td><em>R. Romero (USA)</em></td>
</tr>
<tr>
<td>10:05</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>I. Timor-Tritsch (USA)</em></td>
</tr>
<tr>
<td>10:20</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>L. Yeo (USA)</em></td>
</tr>
<tr>
<td>10:35</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>E. Merz (Germany)</em></td>
</tr>
<tr>
<td>10:50</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>G. Malinger (Israel)</em></td>
</tr>
<tr>
<td>11:05</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>L. Yeo (USA)</em></td>
</tr>
<tr>
<td>11:20</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>J. Abramowicz (USA)</em></td>
</tr>
<tr>
<td>11:35</td>
<td>First set of case presentations – 7 cases, 15 minutes</td>
<td><em>W. Lee (USA)</em></td>
</tr>
</tbody>
</table>

### COURSE 2  The use of ultrasound in infertility and reproductive medicine  
(supported by GE Healthcare*)  
*Rm Valencia*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Introduction</td>
<td><em>S. Goldstein (USA)</em></td>
</tr>
<tr>
<td>09:35</td>
<td>Imaging modalities: an overview of ultrasound options</td>
<td><em>N. Raine-Fenning (UK)</em></td>
</tr>
<tr>
<td>10:05</td>
<td>Ultrasound assessment prior to infertility treatment</td>
<td><em>L. Puscheck (USA)</em></td>
</tr>
<tr>
<td>10:35</td>
<td>Congenital anomalies of the reproductive tract</td>
<td><em>D. Pretorius (USA), A. Lev-Toaff (USA)</em></td>
</tr>
<tr>
<td>11:05</td>
<td>Q &amp; A</td>
<td></td>
</tr>
</tbody>
</table>

### Lunch

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:50</td>
<td>Case presentation questions</td>
<td><em>R. Romero (USA)</em></td>
</tr>
<tr>
<td>13:20</td>
<td>Second set of case presentations – 7 cases, 15 minutes</td>
<td><em>D. Pretorius (USA), D. D’Agostini (USA)</em></td>
</tr>
<tr>
<td>13:35</td>
<td>Second set of case presentations – 7 cases, 15 minutes</td>
<td><em>T. Kiserud (Norway)</em></td>
</tr>
<tr>
<td>14:05</td>
<td>Second set of case presentations – 7 cases, 15 minutes</td>
<td><em>R. Quintero (USA)</em></td>
</tr>
<tr>
<td>14:20</td>
<td>Second set of case presentations – 7 cases, 15 minutes</td>
<td><em>R. Sabbagha (USA)</em></td>
</tr>
<tr>
<td>14:35</td>
<td>Second set of case presentations – 7 cases, 15 minutes</td>
<td><em>D. Maulik (USA)</em></td>
</tr>
<tr>
<td>14:50</td>
<td>Second set of case presentations – 7 cases, 15 minutes</td>
<td><em>J. Espinoza (USA)</em></td>
</tr>
</tbody>
</table>

### Coffee

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:05</td>
<td>Case presentation questions</td>
<td><em>W. Sepulveda (Chile)</em></td>
</tr>
<tr>
<td>15:20</td>
<td>Third set of case presentations – 7 cases, 15 minutes</td>
<td><em>K. Kalache (Germany)</em></td>
</tr>
<tr>
<td>15:50</td>
<td>Third set of case presentations – 7 cases, 15 minutes</td>
<td><em>A. Monteagudo (USA)</em></td>
</tr>
<tr>
<td>16:05</td>
<td>Third set of case presentations – 7 cases, 15 minutes</td>
<td><em>H. Blaas (Norway)</em></td>
</tr>
<tr>
<td>16:35</td>
<td>Third set of case presentations – 7 cases, 15 minutes</td>
<td><em>G. Mari (USA)</em></td>
</tr>
<tr>
<td>17:05</td>
<td>Third set of case presentations – 7 cases, 15 minutes</td>
<td><em>H. Galan (USA)</em></td>
</tr>
<tr>
<td>17:20</td>
<td>Third set of case presentations – 7 cases, 15 minutes</td>
<td><em>S. Rigano (Italy)</em></td>
</tr>
</tbody>
</table>

### Coffee

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15</td>
<td>Tubal assessment and disease</td>
<td><em>I. Timor-Tritsch (USA)</em></td>
</tr>
</tbody>
</table>

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* Scientific content of the course is defined by the course directors and approved by ISUOG. Ultrasound systems and technical support is generously provided by our Congress supporters.
### Program – Saturday 23 August 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Saline infusion sonohysterography: techniques and clinical applications</td>
<td>S. Goldstein (USA)</td>
</tr>
<tr>
<td>12:30</td>
<td>Ultrasound in ART</td>
<td>M. Blanchette-Porter (USA)</td>
</tr>
<tr>
<td>13:00</td>
<td>Q &amp; A</td>
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</tr>
<tr>
<td>13:15–14:15</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>14:15</td>
<td>The polycystic ovary: clarification of the Rotterdam criteria and clinical importance</td>
<td>N. Raine-Fenning (UK)</td>
</tr>
<tr>
<td>14:45</td>
<td>The use of ultrasound in menopausal patients</td>
<td>S. Goldstein (USA)</td>
</tr>
<tr>
<td>15:15</td>
<td>Fibroids: sonographic detection and clinical management</td>
<td>L. Puscheck (USA)</td>
</tr>
<tr>
<td>15:45</td>
<td>Q &amp; A</td>
<td></td>
</tr>
<tr>
<td>16:00–16:15</td>
<td>Coffee</td>
<td></td>
</tr>
<tr>
<td>16:15</td>
<td>Early pregnancy: normal and abnormal</td>
<td>G. Condous (Australia)</td>
</tr>
<tr>
<td>16:45</td>
<td>The use of ultrasound in the evaluation of pelvic pain</td>
<td>A. Parsons (USA)</td>
</tr>
<tr>
<td>17:15–17:30</td>
<td>Conclusions</td>
<td></td>
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</tbody>
</table>

**COURSE 3 Fetal echocardiography (supported by Medison^)**

*Course directors: L. Allan (UK); G. DeVore (USA)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Introduction</td>
<td>G. DeVore (USA); L. Allan (UK)</td>
</tr>
<tr>
<td>09:45</td>
<td>Embryology of the heart</td>
<td>W. Lee (USA)</td>
</tr>
<tr>
<td>10:15</td>
<td>First trimester echocardiography: endovaginal approach</td>
<td>R. Achiron (USA)</td>
</tr>
<tr>
<td>10:35</td>
<td>First trimester echocardiography: trans abdominal approach</td>
<td>J. Carvalho (UK)</td>
</tr>
<tr>
<td>10:55</td>
<td>Differences between the screening examination of the heart and the fetal echocardiogram</td>
<td>G. DeVore (USA)</td>
</tr>
<tr>
<td>11:15–11:35</td>
<td>Coffee</td>
<td></td>
</tr>
<tr>
<td>11:35</td>
<td>3D/4D STIC ultrasound: internet consultation</td>
<td>F. Vinals (Chile)</td>
</tr>
<tr>
<td>12:05</td>
<td>Genetic ultrasound: the role of fetal echocardiography</td>
<td>G. DeVore (USA)</td>
</tr>
<tr>
<td>12:35</td>
<td>Questions</td>
<td></td>
</tr>
<tr>
<td>12:50–13:50</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>13:50</td>
<td>Tetralogy of Fallot – echo features in the fetus</td>
<td>J. Espinoza (USA)</td>
</tr>
<tr>
<td>14:10</td>
<td>Tetralogy of Fallot: implications for the child / counselling</td>
<td>N. Silverman (USA)</td>
</tr>
<tr>
<td>14:30</td>
<td>Complete heart block – diagnosis, management and prognosis</td>
<td>B. Cuneo (USA)</td>
</tr>
<tr>
<td>14:50</td>
<td>Coarctation of the aorta in the fetus and postnatal outcome</td>
<td>H. Gardiner (UK)</td>
</tr>
<tr>
<td>15:10–15:40</td>
<td>Coffee</td>
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</tr>
<tr>
<td>15:40</td>
<td>CHD and NT: an update</td>
<td>L. Allan (UK)</td>
</tr>
<tr>
<td>16:05</td>
<td>Fetal echocardiography: panel quiz</td>
<td>All</td>
</tr>
<tr>
<td>17:05</td>
<td>Questions</td>
<td></td>
</tr>
<tr>
<td>17:30</td>
<td>Close</td>
<td></td>
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</tbody>
</table>

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^ Scientific content of the course is defined by the course directors and approved by ISUOG. Ultrasound systems and technical support is generously provided by our Congress supporters.
Program – Sunday 24 August 2008

Pre-Congress courses

Pre-Congress courses

COURSE 4 Obstetrics Just Images (supported by GE Healthcare*)

Rm 327

Course directors: J. Hobbins (USA); I. Timor-Tritsch (USA)

09:00 Introduction
J. Hobbins (USA)

09:10 Skeletal
R. Romero (USA)

09:30 GI, Kidney
W. Sepulveda (Chile)

09:50 Doppler
J. Hobbins (USA)

10:10 Coffee

10:30 Heart
S. Yagel (Israel)

10:50 CNS
I. Timor-Tritsch (USA)

11:10 3D cases
J. Hobbins (USA)

11:40 3D cases
I. Timor-Tritsch (USA)

12:10 Questions and discussion

12:30 Close

COURSE 5 Gynecology Just Images

Rm 326

Course directors: B. Benacerraf (USA); S. Campbell (UK)

9:00 Introduction
B. Benacerraf (USA); S. Campbell (UK)

9:05 Intro and Grey scale appearance of adnexal (mostly ovarian) masses
B. Benacerraf (USA)

9:30 The tubes, pelvic floor and anal anatomy
I. Timor-Tritsch (USA)

9:55 Infertility and related topics
S. Campbell (UK)

10:20 Q &A

10:40–11:00 Coffee

11:00 Involving Doppler in the evaluation of the pelvis
D. Timmerman (Belgium)

11:25 Early pregnancy
D. Jurkovic (UK)

11:50 Wrap up – clinical scenarios
S. Goldstein (USA)

12:10 Q&A

12:30 Close

COURSE 6 Practical application of Doppler in Obstetrics and Gynecology

Rm 324

Course director: C. Brezinka (Austria)

09:00 Introduction

09:10 A round trip through the fetal circulation
C. Brezinka (Austria)

In this lecture we sit on a fetal erythrocyte and, starting in the umbilical vein, move through the fetal circulation until we return, depleted of oxygen, through the umbilical artery. We recapitulate vascular anatomy and develop an idea of how the Doppler waveform changes depending where the vessel is and what forces are exercised on it.

09:30 Applying Doppler principles to obtain waveforms
A. Baschat (USA)

In this presentation we get to know the most important fetal vessels being examined in the clinical context of obstetrical Doppler, the concept of qualitative, semi quantitative and quantitative waveform analysis will also be discussed.

* Scientific content of the course is defined by the course directors and approved by ISUOG. Ultrasound systems and technical support is generously provided by our Congress supporters.
09:50 What are all the knobs and switches for?
C. Lees (UK)
In this presentation we get to know all the various items on the panel and keyboard of the ultrasound machine that can help us improve our Doppler image but can also lead us to blur or even wipe out useful information. Doppler operators should learn to be as familiar with the knobs and switches of their ultrasound machine as with the dashboard of their cars or the front panel of their stereos.

10.10 Q&A

10:30 – 10:45 Coffee

10:45 Safety issues in obstetrical Doppler ultrasound
K. Maršál (Sweden)
In this presentation we learn about basic safety aspects, starting from mechanical and thermal indices and how we change them all the time when performing Doppler and colour Doppler.

11:05 Getting the most out of Doppler in obstetric practice
S. Gudmundsson (Sweden)
In this presentation we will learn about the use of Doppler in high-risk pregnancies, especially IUGR and how the Doppler information can be used to select cases for special surveillance or delivery.

11:25 Doppler, 3D and the heart: friends or foes?
B. Tutschek (Germany)
Armed with the knowledge to use colour Doppler in the fetal “standard” vessels, let’s now turn to the heart and find out (i) how to use color Doppler to find small vessels near the heart, (ii) why and how to study ventricular filling and emptying with Doppler and (iii) discuss possible uses of 3D/4D STIC with colour Doppler.

11:45 Q&A

12:00 Panel: Rational Doppler use in Obstetrics – when to act and what to do when Doppler findings turn suspicious
D. Maulik (USA); A. Baschat (USA); C. Lees (UK)

12:30 Close

COURSE 7 The 11–14 week scan
Rm 325

Organised by K. Nicolaides, Fetal Medicine Foundation, UK

08.30 Overview of first and second trimester ultrasound and biochemical screening for chromosomal abnormality
K. Nicolaides (UK)

09.30 Amnio vs CVS
R. Wapner (USA)

09.45 Nasal bone and facial angle
J. Sonek

10.10 Diagnosis of fetal cardiac defects in the first trimester
J. Carvalho (UK)

10.25 Increased Nuchal and normal karyotype
C. Bilardo (Netherlands)

10.40 Tricuspid and ductus flow
K. Nicolaides (UK)

11.00 Current state of screening in the USA
A. Abuhamad (USA)

11.15 Successful introduction of a national combined screening program
A. Tabor (Denmark)

11.30 Screening for pre eclampsia, fetal growth restriction and fetal death
K. Nicolaides (UK)

12.00 Questions and discussion

12.30 Close
# 18th World Congress

**Program – Sunday 24 August 2008**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Welcome</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td></td>
<td>K. Hecher (Germany); L. Platt (USA); J. Abramowicz (USA)</td>
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</tr>
<tr>
<td>14:15–15:00</td>
<td><strong>Top 5 Abstracts</strong></td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>14:15</td>
<td>Prospective assessment of simple rules to distinguish between malignant and benign adnexal masses prior to surgery</td>
<td>OC001</td>
</tr>
<tr>
<td></td>
<td>Chairs: K. Hecher (Germany); A. Baschat (USA)</td>
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<tr>
<td></td>
<td>D. Timmerman1; L. Ameye1; C. Van Holsbeke1; R. Frusciò1; A. Czekierdowski1; S. Guerriero1; T. Testa1; V. Vandenbroucke1; T. Boume1; B. Van Calster1; G. Betsas1; P. Neven1; S. Van Huffel1; L. Valentì11 (Belgium); 2 (Italy); 3 (Poland); 4 (UK); 5 (Sweden)</td>
<td></td>
</tr>
<tr>
<td>14:20</td>
<td>Discussion</td>
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<tr>
<td>14:23</td>
<td>BOLD MRI: a reliable non-invasive method for measuring changes in fetal tissue oxygenation</td>
<td>OC002</td>
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<tr>
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<td>Chairs: K. Hecher (Germany); A. Baschat (USA)</td>
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<td></td>
<td>A. Sorensen1; M. Pedersen; A. Tietze; L. Ottesen; L. Duus; N. Uldbjerg (Denmark)</td>
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<tr>
<td>14:28</td>
<td>Discussion</td>
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<tr>
<td>14:31</td>
<td>The effect of vaginal childbirth on levator hiatal dimensions</td>
<td>OC003</td>
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<tr>
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<td>Chairs: K. Hecher (Germany); A. Baschat (USA)</td>
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<td></td>
<td>K. Shek1; H. Dietz1 (Australia)</td>
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<tr>
<td>14:36</td>
<td>Discussion</td>
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<td>14:39</td>
<td>Fetal cardiac output determination by four-dimensional fetal echocardiography using spatiotemporal image correlation and VOCALTM</td>
<td>OC004</td>
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<td>Chairs: K. Hecher (Germany); A. Baschat (USA)</td>
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<tr>
<td></td>
<td>N. Hamill1; R. Romero1; S. Myers1; J. Kusanovic1; P. Mittal1; A. Carletti1; T. Chaiworapongs1; E. Vaisbuch1; J. Espinoza1; F. Gotsch1; W. Lee1; L. Goncalves1; S. Hassan1 (USA)</td>
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<tr>
<td>14:44</td>
<td>Discussion</td>
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<tr>
<td>14:47</td>
<td>Ultrasound bioeffects: quantification of cellular damage in animal fetal liver after use of Doppler pulse to measure ductus venous</td>
<td>OC005</td>
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<tr>
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<td>Chairs: K. Hecher (Germany); A. Baschat (USA)</td>
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<tr>
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<td>B. Pellicer1; S. Herra1; T. Russell1; A. Montt1; F. V. Felipo1; C. Simon1; A. Pellicer1 (Spain)</td>
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<tr>
<td>14:52</td>
<td>Discussion</td>
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<tr>
<td>15:00</td>
<td>Gold medal lecture and ISUOG presentations</td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td>Chairs: S. Campbell (UK); K. Maršál (Sweden); S. Eik-Nes (Norway)</td>
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<tr>
<td></td>
<td>Introduction of the Ian Donald Gold Medal winner and presentation of the medal</td>
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<td></td>
<td>J. Hobbins (USA)</td>
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<tr>
<td>15:05</td>
<td>Ian Donald Gold Medal lecture: Igniting the future</td>
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<td>L. Platt (USA)</td>
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<tr>
<td>15:25</td>
<td>Presidential handover</td>
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<td></td>
<td>S. Campbell (UK); L. Platt (USA); K. Hecher (Germany); G. Pilu (Italy)</td>
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<tr>
<td>15:30</td>
<td>ISUOG Annual General Meeting</td>
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<td></td>
<td>Chair: K. Hecher (Germany)</td>
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<tr>
<td>16:00–16:30</td>
<td><strong>Coffee</strong></td>
<td>Ballroom lobby</td>
</tr>
<tr>
<td>16:30</td>
<td>Who wants to be an ultrasound millionaire?</td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td>Chairs: A. Baschat (USA); L. Platt (USA)</td>
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<tr>
<td></td>
<td>Host: B. Thilaganathan (UK)</td>
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<tr>
<td></td>
<td>Professors: R. Chaoui (Germany); H. Gardiner (UK); S. Goldstein (USA); K. Nicolaides (UK); L. Valentì (Sweden)</td>
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</tr>
<tr>
<td></td>
<td>Challengers: G. Condous (Australia); C. Berg (Germany); E. Kirk (UK); A. Odiho (USA); A. Papageorghiou (UK)</td>
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<tr>
<td>17:10</td>
<td>Short interval – Accompanying persons and guests may join the session here</td>
<td></td>
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<tr>
<td>17:15</td>
<td><strong>Keynote lecture: Perceived for Birds</strong></td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td>Dr Skip Granai (USA)</td>
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<td></td>
<td>Often things seem obvious. Though true in some instances, are unquestioned answers always fact?</td>
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<tr>
<td></td>
<td>Or, could it be that… down is up, left is right, dark is light? A philosophical look at these questions will be discussed, offering new insights into every day questions. Framed in the context of physicians, could challenging standing-observations, and examining ourselves, point to better ways of caring? For example, are you afraid of dying or suffering? Aware of such universal fears, how can we improve the care of patients facing life’s most difficult circumstances? “Perceived for Birds” re-explores the needs of patients, physicians, and the vital relationship between the two. Fortunately, many solutions are readily found in the science and art of medicine. But in our hectic world, just remembering “to look” is difficult enough. A simple question can help: “Can we do more?” Bring your p-values, introspection, and spirit to consider what brought us “here” in the first place, and – now that we’re back – what might we do better? Asked in an odd “poetic” sense, could it be that…surely rather, fish’s gather, in a place perceived for birds.</td>
<td></td>
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<tr>
<td>18:30</td>
<td><strong>South Shore Drill Team</strong></td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>18:45</td>
<td><strong>Welcome reception</strong></td>
<td>Exhibition Hall</td>
</tr>
</tbody>
</table>
## Program – Monday 25 August 2008

### Meet the Professor breakfasts

<table>
<thead>
<tr>
<th>Time</th>
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<th>Location</th>
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<tr>
<td>08:00–08:45</td>
<td><strong>Keynote Lecture</strong></td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td><strong>Chair:</strong> L. Platt (USA)</td>
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<tr>
<td>08:00</td>
<td><strong>Non-invasive prenatal diagnosis: are cell-free nucleic acids better than ultrasound?</strong> D. Bianchi (USA)</td>
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<tr>
<td>08:45–10:00</td>
<td><strong>The 11–14 week scan</strong></td>
<td>Grand Ballroom</td>
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<td>08:45</td>
<td><strong>Chairs:</strong> K. Nicolaides (UK); M. Bronshtein (Israel)</td>
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<tr>
<td></td>
<td><strong>Live scan demonstration (supported by Toshiba)</strong></td>
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<tr>
<td>09:05</td>
<td><strong>Overview</strong></td>
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<tr>
<td>09:10</td>
<td><strong>Should uterine artery Doppler be taken into account in interpreting low PAPP-A values in the first-trimester screening for chromosomal defects?</strong> A. Galindo; I. Herraez; E. Lopez; J. Arbues; A. Grañeras; E. Gómez; P. Manosalvas (Spain)</td>
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<tr>
<td>09:20</td>
<td><strong>First trimester screening markers are altered in pregnancies conceived after IVF/ICSI</strong> A. Gjerris; A. Loft; A. Pinborg; M. Christiansen; A. Tabor (Denmark)</td>
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<tr>
<td>09:25</td>
<td><strong>Improved performance of first-trimester screening for trisomy 21 with the double test taken before a gestational age of 10 weeks</strong> I. Kirkegaard; O. Petersen; N. Uldbjerg; N. Terring (Denmark)</td>
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<tr>
<td>09:30</td>
<td><strong>Discussion</strong></td>
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<td>09:38</td>
<td><strong>Evaluation of combined first-trimester screening – Czech multi-center study</strong> K. Dlouha; I. Kucerova; P. Calda; D. Smetanova; M. Brestak; A. Hudec; H. Viskova; D. Stejskal; J. Turek; I. Malbohan (Czech Republic)</td>
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<tr>
<td>09:43</td>
<td><strong>Changes in the pattern of invasive prenatal diagnostic testing after the introduction of a national policy of first trimester screening</strong> A. Tabor; C. Vestergaard; C. Ekelund; Ø. Lidegaard (Denmark)</td>
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<td>09:48</td>
<td><strong>Discussion</strong></td>
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<td>09:53</td>
<td><strong>First trimester screening in Europe: Comparison of the algorithm of Fetal Medicine Foundation Germany (FMF-D) with the algorithm of Fetal Medicine Foundation England (FMF-UK)</strong> E. Merz; C. Thode; S. Welke; A. Alikier; B. Elben; B. Hackeloeper; M. Hansmann; G. Huesgen; P. Kozlowski; M. Pruggmayer (Germany)</td>
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<td>09:58</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>09:00–10:00</td>
<td><strong>Complementary imaging and therapies</strong></td>
<td>Rm 205–207</td>
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<tr>
<td>09:00</td>
<td><strong>Chairs:</strong> I. Timor-Tritsch (USA); D. Timmerman (Belgium)</td>
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<td><strong>Ultrasound contrast studies</strong></td>
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<td>09:15</td>
<td><strong>Applications of 3D ultrasound in gynecology</strong></td>
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<td>09:30</td>
<td><strong>Ultrasound Guided trucut biopsies of solid pelvic tumors</strong></td>
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<td>09:45</td>
<td><strong>Endometrial aspiration before or after Saline Infusion Sonography (SIS) and specimen quality in case of abnormal uterine bleeding; a randomised study</strong> A. Bi de Vaate; C. van Doominck; M. Visser; J. van der Slikke; H. Brolmann (Netherlands)</td>
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<td>09:50</td>
<td><strong>Discussion</strong></td>
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<td>09:53</td>
<td><strong>Contrast enhanced harmonic transvaginal sonography of morphologically abnormal ovarian masses</strong> A. Fleischer; A. Lyshchik; H. Jones III; M. Crispens; M. Loveless; R. Andreotti; D. Fishman (USA)</td>
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<tr>
<td>09:58</td>
<td><strong>Discussion</strong></td>
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### Chaired oral poster discussions

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<th>Time</th>
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<tr>
<td>10:00–10:45</td>
<td><strong>Chaired oral poster discussions</strong></td>
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<tr>
<td></td>
<td><strong>Rm 325:</strong> Aneuploidy screening in the first trimester**</td>
<td>OP01</td>
</tr>
<tr>
<td></td>
<td><strong>Chairs:</strong> R. Wapner (USA); P. Calda (Czech Republic)</td>
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<td></td>
<td><strong>Rm 324:</strong> Fetal heart I</td>
<td>OP02</td>
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<td></td>
<td><strong>Chairs:</strong> R. Achiron (Israel); B. Cuneo (USA)</td>
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<td></td>
<td><strong>Rm 326:</strong> Fetal neurosonography and CNS anomalies**</td>
<td>OP03</td>
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<td><strong>Chairs:</strong> F. Vinals (Chile); G. Pili (Italy)</td>
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<td></td>
<td><strong>Rm 327:</strong> Imaging techniques and technology</td>
<td>OP04</td>
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<td></td>
<td><strong>Chairs:</strong> W. Lee (USA); E. Merz (Germany)</td>
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<td></td>
<td><strong>Rm 205–207:</strong> Complementary imaging and therapies</td>
<td>OP05</td>
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<tr>
<td></td>
<td><strong>Chairs:</strong> A. Testa (Italy); S. Laifer-Narin (USA)</td>
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Program – Monday 25 August 2008

Rm 202: Pelvic pain and endometriosis
Chairs: J. Alcázar (Spain); T. Van Den Bosch (Belgium)

Rm 202: Abnormal bleeding and fibroids
Chairs: S. Goldstein (USA); E. Stewart (USA)

10:30–11:15 Coffee and poster viewing

11:15–12:30 Fetal heart I: Cardiac function
Grand Ballroom

Chairs: C. Kleinman (USA); L. Allan (UK)

11:15 Overview and live scan demonstration (supported by Siemens*)
L. Allan (UK); H. Gardiner (UK)

11:45 Left atrial dynamics in fetuses of diabetic mothers
P. Zielinsky; S. Luchese; J. Manica; A. Piccoli Jr; L. Nicoloso; M. Leite; L. Hagemann; A. Busato; M. Moraes (Brazil)

11:50 Discussion

11:53 Do ventricular strain measurements aid early risk stratification in MCDA pregnancies with TTTS?
H. Matsui; M. Roughton; R. Wimalasundera; H. Gardiner (UK)

11:58 Discussion

12:01 Signs of decreased cardiac performance in anti-Ro52/SSA antibody exposed fetuses with prolonged atrioventricular time intervals
S. Sonesson; G. Bergman; H. Eliasson; K. Bremme; M. Wahren-Herlenius (Sweden)

12:06 Discussion

12:09 Assessment of ventricular function by myocardial tissue doppler in fetuses with intrauterine growth restriction
A. Naujoks; P. Zielinsky; P. Beltrame; R. Castagna; R. Petracco; A. Busato; L. Nicoloso; A. Piccoli Jr; J. Manica (Brazil)

12:14 Discussion

12:17 Is diastolic cardiac function gender dependent? – Comparative study of fetuses referred for fetal echocardiogram
S. Clur; J. Ottenkamp; C. Bilardo (Netherlands)

12:22 Discussion

12:25 Reproducibility of echocardiographic measurements of human fetal left ventricular volumes and ejection fractions using 4D ultrasound with the STIC modality
E. Schoonderwaldt; I. Groenenberg; W. Hop; J.W. Wladimiroff; E. Steegers (Netherlands)

11:15–12:30 Deep endometriosis
Rm 205–207

Chairs: B. Benacerraf (USA); C. Exacoustos (Italy)

11:15 Imaging and operating on endometriotic nodules – saline vaginography for assessing the utero-vaginal septum
G. Condous1; T. Bigiardi2; D. Alhamdan3; C. Lu4
(Australia); (UK)

11:30 Pain, fertility and endometriosis
A. Parsons (USA)

11:45 Assessment of pattern recognition for the ultrasound diagnosis of an endometrioma
S. Guerriero1; L. Savelli2; F. Leone2; A. Lissoni2; A. Testa2; T. Bourne2; L. Valentin2; D. Timmerman2; C. Van Holsbeke2
(Italy); (UK); (Sweden); (Belgium)

11:50 Discussion

11:53 Sonographic findings in adenomyosis – before and after insertion of levonorgestrel intrauterine device
M. Onofriescu; D. Nemescu; D. Dragomir (Romania)

11:58 Discussion

12:01 Sonographic evaluation of deep pelvic endometriosis: endovaginal-, transrectal- and vaginosonography to assess the extension of the disease
C. Exacoustos; E. Zupi; B. Szabolcs; A. Amadio; C. Amoroso; E. Vaquero; M. Romanini; D. Arduini (Italy)

12:06 Discussion

12:09 Assessment of recto-vaginal endometriosis using sonovaginography
E. Cosmi; C. Saccardi; B. Baldasso; P. Litta (Italy)

12:14 Discussion

12:17 Ultrasound characteristics of typical and atypical endometriomas
C. Van Holsbeke1; B. Van Calster2; S. Guerriero1; L. Savelli2; D. Paladini2; A. Lissoni2; G. Mestdagh2; A. Testa3; L. Valentin2; D. Timmerman2
(Italy); (Belgium); (Italy); (Sweden)

12:22 Discussion

12:30–14:00 Lunch and poster viewing

12:45–13:45 Medison satellite symposium**
Grand Ballroom

3D Routine fetal sonography. Made simple. (see page 54 for details).

*Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems & technical support is provided by our Congress supporters.
**Lunchtime satellite symposia are brought to you by our Congress supporters and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.
## Program – Monday 25 August 2008

### 14:00–16:00  Fetal CNS  Grand Ballroom

**Chairs:** R. Romero (USA); G. Malinger (Israel)

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>14:00</td>
<td>Live scan demonstration (supported by Philips*)</td>
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<tr>
<td>14:20</td>
<td>Overview</td>
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<tr>
<td>14:30</td>
<td>Ultrasound imaging of the abnormal fetal brain in virtual reality</td>
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<tr>
<td>14:35</td>
<td>The transfrontal view: a window to transabdominal visualization and volume analysis of fetal midline cerebral structures</td>
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<tr>
<td>14:45</td>
<td>Discussion</td>
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<tr>
<td>14:50</td>
<td>Median view obtained by an off-line analysis of 3D fetal brain volume can provide easy and reliable measurements of the cerebellar vermis, cisterna magna and nuchal fold</td>
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<tr>
<td>14:55</td>
<td>Three-dimensional ultrasound enhances the identification of vermian fissures in the normal and abnormal cerebellum</td>
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<tr>
<td>15:00</td>
<td>Discussion</td>
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<tr>
<td>15:05</td>
<td>Sonographic nomograms of the fetal vermial fastigium between 15–40 weeks gestation</td>
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<tr>
<td>15:10</td>
<td>Study on the fetal cerebellar vermis of Dandy-Walker Syndrome with the third plane image of three-dimensional ultrasonography</td>
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<tr>
<td>15:15</td>
<td>Developmental outcome of children with a large cisterna magna diagnosed in-utero</td>
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<td>15:28</td>
<td>Management of prenatally diagnosed ventriculomegaly</td>
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<td>15:33</td>
<td>In-utero resolution of mild cerebral ventriculomegaly and gender</td>
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<tr>
<td>15:38</td>
<td>Pregnancy outcome following primary fetal infection with CMV, followed up by U/S and fetal brain MRI</td>
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<tr>
<td>15:43</td>
<td>Discussion</td>
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### 14:00–16:00  Interactive sessions – clinical cases and images  Rm 205-207

**Chairs:** L. Platt (USA); D. Jurkovic (UK)

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<tr>
<td>14:00</td>
<td>Early pregnancy</td>
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<td>14:30</td>
<td>The baseline fertility scan</td>
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<td>15:00</td>
<td>The morphology of specific ovarian tumors</td>
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<td>15:30</td>
<td>Endometrial pathology</td>
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<tr>
<td>16:00</td>
<td>Coffee and poster viewing</td>
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### 16:30–18:00  3D/4D and MRI  Grand Ballroom

**Chairs:** K. Maršál (Sweden); D. Pretorius (USA)

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<tr>
<td>16:30</td>
<td>Live scan demonstration (supported by GE Healthcare*)</td>
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<tr>
<td>16:50</td>
<td>Overview</td>
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<tr>
<td>17:00</td>
<td>Volume calculation of intracranial structures using 3-D ultrasound in normal and growth restricted fetuses</td>
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<tr>
<td>17:05</td>
<td>Discussion</td>
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<tr>
<td>17:08</td>
<td>Sonographic assessment of the normal fetal secondary palate using a novel three-dimensional ultrasound approach</td>
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*Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems & technical support is provided by our Congress supporters.*
Program – Monday 25 August 2008

17:13 Three dimensional (3D) ultrasound imaging of fetal palate between twelve and sixteen weeks’ gestation
L. Gindes; M. Zajicek; B. Weisz; A. Shrim; R. Achiron (Israel) OC039

17:18 Evaluation of the secondary palate by 3-D ultrasoundography
G. Ramos; L. Romine; L. Gindes; T. Wolfson; D. D’Agostini; D. Pretorius; L. Sujin; M. McGahan (USA) OC040

17:33 A new direct technique for fetal cardiac function evaluation: 4D-MPI with STIC acquisition
B. Messing; D. Valsky; D. Rosenak; S. Cohen; S. Yagel (Israel) OC041

17:38 A new method of evaluation of fetal cardiac contractility with 4D ultrasonography
B. Messing; D. Valsky; D. Rosenak; S. Cohen; S. Yagel (Israel) OC042

17:43 Discussion

17:46 Seeking the optimal number of shots for proper fetal diuresis measurement by 3D vocal technique
M. Yamamoto; R. Rojas; P. Valentini; D. Pedraza; J. Valdivia; H. Muñoz; A. Insunza; J. Carrillo; M. Polanco; A. Hernandez; J. Astudillo (Chile) OC043

17:51 Discussion

17:54 Volume derived coronal imaging of the lower uterine segment, a novel technique to accurately identify the internal os of the cervix in difficult clinical scenarios
G. Bega; V. Berghella; M. Bisulli; C. Harvey; S. Weiner (USA) OC044

17:59 Discussion

16:30–18:00 Abnormal bleeding and fibroids
Rm 205–207

Chair: A. Fleischer (USA), E. Epstein (Sweden)

16:30 Optimal sequence of investigations in a “one stop” bleeding clinic
T. Van den Bosch (Belgium)

16:50 Focused ultrasound surgery and embolization for fibroids
E. Stewart (USA)

17:10 Prognostic markers of malignancy at sonohysteroscopy in post-menopausal patients with post-menopausal bleeding and thickened endometrium at transvaginal sonography
F. Leone; C. Marciante; G. Reis; C. Lanzani; T. Bignardi; E. Ferrari (Italy) OC045

17:15 Discussion

17:18 The addition of lidocaine to the gel used for gel infusion sonography (GIS) & the removal of focal intracavity lesions: does it make sense?
T. Van den Bosch; V. Vandenbergroucke; A. Daemen; E. Domal; D. Van Schoubroek; B. De Moor; J. Deprest; D. Timmerman (Belgium) OC046, OC047

17:23 Discussion

17:26 Comparison of conventional and three-dimensional sonohysteroscopy in the assessment of submucous uterine yomas before their hysteroscopic resection
R. Bartkowiak; M. Wielgos; D. Borowski; D. Bomba-Opon; S. Kozlowski; K. Kosinska-Kaczynska; I. Szymusik (Poland) OC048

17:31 Discussion

17:34 Factors influencing patient candidacy for magnetic resonance guided focused ultrasound (MRgFUS) treatment of uterine leiomyoma
S. Leblang (USA) OC049

17:39 Discussion

17:42 Contrast enhanced ultrasonography in the treatment of uterine leiomyoma with high intensity focused ultrasound
L. Wang; W. Wang; C. Sun; J. Wang; X. Gao; X. Zhang (China) OC050

17:47 Discussion

17:50 US-guided percutaneous microwave ablation of uterine leiomyoma: initial experience
J. Zhang; B. Dong; X. Li; L. Feng; Y. Sun; X. Jiang; B. Zhang (China) OC051

17:55 Discussion

Poster viewing is available all day for:

Exhibition hall

Area A: Aneuploidy and other fetal anomalies in the first trimester
Area B: Fetal echocardiography and CHD I
Area C: Fetal neurosonography and CNS anomalies
Area D: New imaging technologies
Area E: Pelvic pain and endometriosis
Area F: Abnormal bleeding and fibroids
Oral poster presentations

Oral poster discussion groups: 10:00–10:45
Viewing available all day

**OP01: Aneuploidy screening in the first trimester**

*Chairs: R. Wapner (USA); P. Calda (Czech Republic)*

- Altered FOXC2 and PDGF-B expression relates to abnormal smooth muscle cell formation surrounding enlarged jugular lymphatic sacs in fetuses with nuchal edema
  - Y. Mooij de (Netherlands)
- Enlarged nuchal translucency: more common in boys large for gestational age at birth
  - E. Timmerman (Netherlands)
- Discrepancies between nuchal translucency measurements in neutral fetal position in quiescence and during spontaneous movement
  - M. Wiechec (Poland)
- Trends in prenatal diagnosis following implementation of a first trimester risk assessment program in a community academic medical center
  - A. Same(USA)
- Stepwise sequential screening for Down syndrome at a referral centre in Prague, Czech Republic
  - D. Smetanova (Czech Republic)
- Should first trimester screening for aneuploidy really be maternal age adjusted? Screening by absolute risk Vs risk adjusted to maternal age
  - J. Gebb (USA)
- No additional value of ductus venosus pulsatility index in predicting chromosomal anomalies or adverse pregnancy outcome in a tertiary referral setting of nuchal translucency screening
  - E. Timmerman (Netherlands)
- Does a short nasal bone in first trimester fetuses persist during gestation?
  - U. Germer (Germany)
- Frontomaxillary facial angle in normal fetuses at 11+0 to 13+6 weeks in an oriental population
  - C. Hsiao (Taiwan)
- Outcome of down syndrome fetuses detected by first trimester combined screening
  - L. Salomon (France)
- Karyotype and outcome of fetuses with increased nuchal translucency above 99th percentile
  - M. Kim (Republic of Korea)
- Are women satisfied with having had a first trimester combined risk assessment?
  - L. Bangsgaard (Denmark)
- First trimester absent nasal bone to detect fetuses with Down syndrome. A Meta-analysis
  - L. Tolaymat (USA)

**OP02: Fetal heart I**

*Chairs: R. Achiron (Israel); B. Cuneo (USA)*

- Reliability of Doppler echocardiographic investigation in the diagnosis of fetuses with first degree atrioventricular block
  - Y. Mivelaz (Canada)
- The global myocardial performance (Tei) Index in fetuses of mothers with well controlled gestational diabetes mellitus
  - M. Nimbalkar (USA)
- Dynamics of pulmonary venous flow during respiratory movements in the fetus
  - P. Zielinsky (Brazil)
- Cardiac biometry and function in fetuses with intracardiac echogenic foci
  - J. Bartha (Spain)
- The Necessity of fetal echocardiography with isolated 2-Vessel Cord as determined by a Targeted Ultrasound With Extended Cardiac Views
  - P. Martinez (USA)
- Satisfactory visualization rates of standard cardiac views at 18–22 weeks gestation: A comparison of static 2-D and spatial temporal image correlation (STIC 4-D)
  - L. Cohen (USA)
- Antenatal diagnosis of cardiac anomalies in a Chilean Region
  - F. Guerra (Chile)
- The influence of position and size of isolated ventricular septal defects on spontaneous intrauterine closure and the risk of chromosomal abnormalities
  - M. Basbug (Turkey)
- Aortic isthmus Z-score: Does it identify individual cases of coarctation of the aorta at 19–27 weeks of gestation?
  - J. Carvalho (UK)
- Can measurements of the pulmonary artery (PA) and aorta (Ao) diagnose true coarctation of the aorta (CoA) in the 3rd trimester of pregnancy?
  - M. Respondek-Liberska (Poland)
- Comparison of cardiovascular functional parameters and Doppler flow waveforms in fetuses with two-vessel cord versus three-vessel cord at 20–23 weeks gestational age
  - A. Suhag (USA)
- Visualization of the fetal three vessel view, aortic arch, and ductal arch views: A comparison of 2-D and 3-D rapid acquisition at 18–22 weeks gestation
  - L. Cohen (USA)
M. Respondek-Liberska (Poland)
Fetuses with congenital heart defect have similar growth patterns
S. Lee (USA)

OP03: Fetal neurosonography and CNS anomalies
Chairs: F. Vinals (Chile); G. Pilu (Italy)
Prediction of outcome in fetuses with small head circumference at ultrasound examination: A role for z scores
L. Salomon (France)
Long-term follow-up of children with prenatally diagnosed agenesis of corpus callosum (ACC)
J. Stupin (Germany)
Neurosonographic fetal assessment with the “single shot” technique in transabdominal 3-D multiplanar ultrasound during routine 20–24 weeks’ gestation scan
H. Muñoz (Chile)
Basic as well as detailed neurosonogram can be performed by an off-line analysis of 3D fetal brain volumes
E. Bornstein (USA)
Prenatal diagnosis and outcome of cavum veli interpositi cysts
V. D’Addario (Italy)
Prenatally diagnosed ventriculomegaly: Associations and outcome
E. Paikrt (Netherlands)
Transfrontal rendering of midline cerebral structures
F. Vinals (Chile)
Semiquantitative estimation of tissue echodensity in fetal intracranial structures
E. Hernandez-Andrade (Spain)
Fetal orbits volume: Relationship to gestational age and the biparietal diameter and the femur length
M. Odeh (Israel)
Prenatal MR evaluation of the fetus with a vein of Galen malformation; A Series of 5 cases
S. Laifer-Narin (USA)
Biometry of the eyeball in prenatal period
M. Pietryza (Poland)
Comparative analysis of eyeballs dynamics development in prenatal and postnatal period
M. Karolczak-Kulesza (Poland)

OP04: Imaging techniques and technology
Chairs: W. Lee (USA); E. Merz (Germany)
Magnetic resonance determination of pH, lactates and oxymetry in animal model of acute fetal distress: Towards new ways of fetal monitoring?
O. Ami (France)
Fetal low dose three-dimensional multislice computed tomography: When? How? And results with a five years experience
M. Molho (France)
Contribution of fetal MRI to prenatal ultrasound for the diagnosis of fetal anomalies
H. Bodur (Turkey)
Development of an in vivo quantitative ultrasound methodology to scan the cervix
B. McFarlin (USA)
Dynamic magnetic resonance imaging (DMR) and three dimensional extended imaging (3DXI) in the first trimester diagnosis of placenta percreta: A three cases report
S. Molina (Colombia)
A collaborative approach to a high volume ultrasound practice: The role of the advanced practice sonographer
B. Benacerraf (USA)
Diagnostic correlation between 2D and 3D ultrasound at 20–22 weeks in fetal evaluation. Preliminary results
V. Borobio (Spain)
Fetal gender assignment using 3DUS and MRI of internal pelvic anatomy
W. Lee (USA)
Fetal corpus callosum resolution improved by combined MR post-processing technique
D. Twickler (USA)
MR diagnosis of ischemia / infarct in the fetal brain; spectrum of appearance and significance of findings
S. Laifer-Narin (USA)
Occult spinal lesions associated with meningomyelocele/Chiari malformation: US and ultrafast MRI study
I. Abbas (Egypt)
Fetal feet length differences between three-dimensional and two-dimensional ultrasound measurements
A. Smolin (Israel)
How to acquire a 3D volume for nuchal translucency measurement?
I. Morin (Canada)
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<tr>
<th>Abstract number</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>OP05.01</td>
<td>Three-dimensional Coded Contrast Imaging: a new ultrasound approach to evaluate tubal patency</td>
<td>C. Exacoustos (Italy)</td>
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<tr>
<td>OP05.02</td>
<td>Percutaneous ultrasound guided radiofrequency thermal ablation for uterine fibroids: A new gynecological approach</td>
<td>H. Iversen (Denmark)</td>
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<tr>
<td>OP05.03</td>
<td>Primary fallopian tube carcinoma: Imaging features on MRI, CT and Ultrasound</td>
<td>A. Lev-Toaff (USA)</td>
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<td>OP05.04</td>
<td>Flow differences of endometrial polyps and endometrial cancer: A prospective study using contrasted transvaginal color flow Doppler and three-dimensional power Doppler</td>
<td>M. Lieng (Norway)</td>
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<td>OP05.05</td>
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<td>S. Terry (USA)</td>
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<td>OP05.06</td>
<td>Evaluation of vascular density of PCOS ovaries with 3D PDA spherical virtual tissue sampling – A new tool to improve definition of PCOS?</td>
<td>M. Kudla (Poland)</td>
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<td>OP05.07</td>
<td>Just images on sono-endoscopic findings of adnexal torsion: A retrospective multicenter study by the IOTA group</td>
<td>F. Leone (Italy)</td>
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<td>OP05.08</td>
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<td>A. Xin Lin Chen (China)</td>
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<td>OP05.09</td>
<td>The SECURE study: Ultrasound evaluation of the caesarean scar – Preliminary results on the prevalence of a niche and relation with abnormal uterine bleeding</td>
<td>A. Bij de Vaate (Netherlands)</td>
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<td>OP05.10</td>
<td>Transvaginal ultrasonography and magnetic resonance in the evaluation of invasive cervical cancer</td>
<td>A. Testa (Italy)</td>
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<tr>
<td>OP06.01</td>
<td>Transvaginal ultrasonography and pelvic adhesions in patients with cystic ovarian endometriosis</td>
<td>S. Guarriero (Italy)</td>
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<td>OP06.02</td>
<td>Diagnostic values of clinical and ultrasound examination in women with acute pelvic pain</td>
<td>L. Salomon (France)</td>
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<td>OP06.03</td>
<td>The diagnostic accuracy of transvaginal sonography in tubo-ovarian abscess: A 2-year review at the University of the Philippines – Philippine General Hospital</td>
<td>E. Llamas-Clark (Philippines)</td>
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<td>OP06.04</td>
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<td>J. Alcázar (Spain)</td>
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<td>OP06.05</td>
<td>The liquefying adenomyotic uterus – A result of uterine artery embolization treatment</td>
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<td>OP06.06</td>
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<td>OP06.07</td>
<td>Effectiveness of a new ultrasound-based model of care in the management of women with acute gynaecological complications</td>
<td>T. Bignardi (Australia)</td>
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<tr>
<td>OP06.08</td>
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<td>D. Alhamdan (Australia)</td>
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<td>Fertility after uterine fibroid embolization: A series of 54 pregnancies in France</td>
<td>O. Ami (France)</td>
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<td>OP07.02</td>
<td>Sonohysterography versus transvaginal sonography for screening of patients with abnormal uterine bleeding</td>
<td>N. Mahmoodian (Islamic Republic of Iran)</td>
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<td>Study of color Doppler ultrasound in the situation of endometrial hyperplasia</td>
<td>D. Zhang (China)</td>
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<td>C. Bamberg (Germany)</td>
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<td>OP07.05</td>
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<td>H. Marret (France)</td>
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<td>OP07.06</td>
<td>Hysteroscopy in patients with abnormal uterine bleeding and normal transvaginal sonography</td>
<td>M. Barati (Islamic Republic of Iran)</td>
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Posters – Monday 25 August 2008

Posters (view only)

Posters are available for viewing all day

**P25: Aneuploidy and other fetal anomalies in the first trimester**

Exhibition hall: A

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<td>The role of fetal nuchal translucency and ductus venosus Doppler at 11–14 weeks of gestation in the detection of Down syndrome</td>
<td>C. Murta (Brazil)</td>
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<td>P25.02</td>
<td>Increased nuchal translucency in the first trimester and hydrocele in the newborn. Incidental finding or a causal association?</td>
<td>O. Torok (Hungary)</td>
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<td>P25.03</td>
<td>Relation between nuchal translucency thickness and prevalence of chromosomal defects, miscarriage, fetal death and major fetal abnormalities</td>
<td>D. Iliescu (Romania)</td>
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<td>Fetal gender diagnosis at 11–14 weeks in Concepción, Chile</td>
<td>M. Yamamoto (Chile)</td>
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<td>P25.05</td>
<td>First trimester diagnosis of fetal anomalies – a beneficial sequel to the introduction of first trimester screen (FTS) aneuploidy program</td>
<td>K. Demasio (USA)</td>
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<td>P25.06</td>
<td>Comparison of inter- and intra-observer agreement between three different types of fetal volume measurement techniques (XI VOCAL, VOCAL, and multplanar)</td>
<td>K. Leung (China)</td>
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<td>Comparison of volumetry of fetus, gestational sac, and placenta obtained from two three-dimensional ultrasound machines</td>
<td>K. Leung (China)</td>
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<td>P25.08</td>
<td>First trimester umbilical cord cyst</td>
<td>S. Kim (Republic of Korea)</td>
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<td>P. Dar (USA)</td>
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<td>P25.10</td>
<td>The OEIS complex presented with large umbilical cord cyst in early gestation</td>
<td>H. Bodur (Turkey)</td>
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<td>P25.11</td>
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<td>G. Nazzaro (Italy)</td>
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<td>First-trimester sonographic diagnosis of holoprosencephaly</td>
<td>S. Crmogorac (Montenegro)</td>
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<td>P25.13</td>
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<td>L. Hemádi (Hungary)</td>
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<td>A. Danilidis (Greece)</td>
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<td>D. Smetanova (Czech Republic)</td>
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<td>F. Andrade (Brazil)</td>
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<td>Prenatal diagnosis of increased nuchal translucency in the Wolf-Hirschhorn syndrome and 47, XXX karyotype</td>
<td>S. Mun (Republic of Korea)</td>
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**P26: Fetal echocardiography and CHD I**

Exhibition hall: B

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<td>D. Wood (USA)</td>
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<td>Evaluation of cardiac structure and function in fetuses with isolated gastroschisis</td>
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<td>Pattern of recognition of fetal venous system abnormalities</td>
<td>M. Herrera (Colombia)</td>
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<td>Sonographic and echocardiographic features in fetuses with meconium peritonitis and ileus</td>
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<td>M. Kawataki (Japan)</td>
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<td>P26.08</td>
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<td>I. Spalova (Czech Republic)</td>
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A. Suhag (USA) P26.12

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F. Andrade (Brazil) P27.02

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M. Juan (Spain) P27.03

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D. Albu (Romania) P27.04

Nomograms of the axial transverse diameter of the fetal foramen magnum throughout gestation
M. Dalloul (USA) P27.05

Prenatal diagnosis of schizencephaly Type II in 2 cases
R. Lachmann (Germany) P27.06

Prenatal diagnosis of the dural sinus malformation
Y. Kanetaka (Japan) P27.07

Antenatal ultrasound diagnosis of a carpenter syndrome – New case report
D. Albu (Romania) P27.08

Late developed fetal intracranial hemorrhage in anticoagulant (Warfarin) therapy
H. Choi (Republic of Korea) P27.09

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J. Bault (France) P27.12

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C. Yeni (Indonesia) P27.13

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J. Bault (France) P27.14

Retinal coloboma: a case report using "virtual eyeground": A new technique to visualize the fetal retina with 3D ultrasound
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L. Nardozza (Brazil) P28.02

Prediction of fetal weight using thigh volume estimated by three-dimensional ultrasound: Pilot study
L. Nardozza (Brazil) P28.03

Three-dimensional power Doppler indices of anterior territory of the middle cerebral artery
L. Nardozza (Brazil) P28.04

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B. Tutschek (Germany)
P28.10

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S. Molina (Colombia)
P28.11

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A. Horton (USA)
P28.12

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P28.13

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P28.15

Evaluation of first trimester growth using Virtual Reality and the role of low maternal serum PAPP-A in a case of trisomy 16 mosaicism
P. van Heesch (Netherlands)
P28.16

Elusive diagnosis of pregnancy in non-communicating rudimentary horn
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P28.18

P29: Pelvic pain and endometriosis

Sacral Schwannoma mimicking uterine myoma
D. Prete (Brazil)
P29.01

Tubo-ovarian abscesses diagnosed with ultrasound in the first post-partum month
K. Algoe (USA)
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A case of unicornuate uterus with noncommunicating rudimentary horn with ipsilateral renal agenesis
K. Kil (Republic of Korea)
P29.03

P30: Abnormal bleeding and fibroids

Successful pregnancy after magnetic resonance imaging guided focused ultrasound (MRgFUS) treatment of uterine leiomyoma
G. Rowe (USA)
P30.01

Ultrasound evaluation of uterine sarcomas: Report of three cases
S. Lee (Singapore)
P30.02

Pregnancy with giant myomatosis and ultrasonography
F. Andrade (Brazil)
P30.03

Power Doppler ultrasound features of a minimal deviation adenocarcinoma of the uterine cervix
M. Pascual (Spain)
P30.04

Preoperative sonographic diagnosis of two cases of uterine smooth muscle tumor of uncertain malignant potential
G. Nazzaro (Italy)
P30.05

Correlation between nuclear magnetic resonance and ultrasonography in giant myomatosis
F. Andrade (Brazil)
P30.06

Application of ultrasonography in diagnosis and treatment of myoma during pregnancy: Case report
J. Kim (Republic of Korea)
P30.09
Program – Tuesday 26 August 2008

Meet the Professor breakfasts*  Ferris Room, InterContinental

08:00–08:45  Keynote Debate  Grand Ballroom
Chair: R. Romero (USA), A. Baschat (USA)
08:00  Panel discussion – First trimester Doppler: do the benefits outweigh the costs?
K. Nicolaides (UK) vs C. Brezinka (Austria)

08:45–10:00  The second trimester scan  Grand Ballroom
Chairs: B. Benacerraf (USA); A. Gagnon (Canada)
08:45  Live scan demonstration (supported by Medison*)
Y. Ville (France)
09:05  Overview
B. Benacerraf (USA)
09:15  Ultrasound at 20–22 weeks of pregnancy increases the rate of detection of Down syndrome above that of combined first-trimester screening alone
P. Calda; H. Belosovicova-Viskova; H. Valtrova; K. Svabik; S. Manasova; Z. Zizka; M. Brestak; K. Nekovarova (Czech Republic)
OC052
09:20  The efficiency of second-trimester nasal bone (NB) hypoplasia as a Down syndrome marker in low versus high-risk groups
A. Odibo; H. Sehdev; D. Stamilio; G. Macones (USA)
OC053
09:25  Enlarged fetal iliac angle as an ultrasound marker for trisomy 21, 18 and 13 during the second trimester of pregnancy
B. Belics; F. Fekete; C. Csabay; S. Szabó; H. Halmos; R. Rigo (Hungary)
OC054
09:30  Evaluating the use of Classification and Regression Tree (CART) analysis in second-trimester Down syndrome screening
A. Odibo; D. Stamilio; A. Cahil; W. Shannon; G. Macones (USA)
OC055
09:35  Discussion

09:00–10:00  Reproductive medicine  Rm 205–207
Chairs: S. Campbell (UK); A. Ngu (Australia)
09:00  Achieving a consensus regarding the characterisation of PCO
S. Tan (Canada)
OC056
09:15  Assessing PCO with 3D ultrasound
N. Raine-Fenning (UK)
OC057
09:30  Septate uterus: correlation of three-dimensional power Doppler sonography of the septum with histology of septal tissue after hysteroscopic metroplasty
C. Exacoustos; N. Lazzarin; A. Amadio; G. Larciprete; F. Balocco; E. Valli; D. Arduini (Italy)
OC058
09:35  Discussion

09:45  Impact of maternal body mass index on detection of anomalous fetuses during standard and targeted ultrasound examination
J. Dashe; D. McIntire; D. Twickler (USA)
OC059
09:50  Maternal distress and evening salivary cortisol levels in ongoing pregnancies with fetal anomaly
A. Kaasen; A. Helbig; U. Malt; J. Bollerslev; A. Heiberg; G. Haugen (Norway)
OC060
09:55  Discussion

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* Sessions must be pre-booked, see page 9 for details
* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems & technical support is provided by our Congress supporters.
## Program – Tuesday 26 August 2008

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<td>Fetal heart II</td>
<td>R. Axt-Fliedner (Germany); S. Yagel (Israel)</td>
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<td>Rm 325</td>
<td>First trimester ultrasound</td>
<td>M. Bronshtein (Israel); A. Tabor (Denmark)</td>
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<td>Rm 327</td>
<td>Multiple pregnancies</td>
<td>B. Thilaganathan (UK); R. Bahado-Singh (USA)</td>
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### 10:30–11:15 Coffee and poster viewing

### 11:15–12:40 Fetal heart II: Diagnostic advances

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<thead>
<tr>
<th>Location</th>
<th>Topic</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grand Ballroom</td>
<td>Live scan demonstration (supported by Aloka*)</td>
<td>D. Paladini (Italy); J. Copel (USA)</td>
</tr>
<tr>
<td></td>
<td>Overview</td>
<td>D. Paladini (Italy)</td>
</tr>
<tr>
<td></td>
<td>The aortic isthmus – ductal angle: a novel measurement to diagnose fetal aortic coarctation</td>
<td>E. Quarello; Y. Ville; J. Carvalho (UK); (France)</td>
</tr>
</tbody>
</table>

### 11:15–12:30 Assisted reproductive technologies (in association with ESHRE)

<table>
<thead>
<tr>
<th>Room</th>
<th>Topic</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rm 205–207</td>
<td>Using ultrasound to predict the outcome of fertility treatments</td>
<td>N. Raine-Fenning (UK); A. Parsons (USA)</td>
</tr>
<tr>
<td></td>
<td>Can quantitative 3D power Doppler angiography be used to predict poor response and ovarian hyperstimulation syndrome during assisted reproduction treatment?</td>
<td>K. Jayaprakasan; H. Al-Hasie; B. Campbell; J. Clewes; I. Johnson; N. Raine-Fenning (UK)</td>
</tr>
<tr>
<td></td>
<td>A comparative study of manual and automated methods for assessment of antral follicle number</td>
<td>S. Deb; K. Jayaprakasan; J. Clewes; B. Campbell; I. Johnson; N. Raine-Fenning (UK)</td>
</tr>
</tbody>
</table>

*Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems & technical support is provided by our Congress supporters.*
### Program – Tuesday 26 August 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>_activity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:54</td>
<td>3D ultrasound and Antimullerian hormone determination as predictors of ovarian response to controlled stimulation in assisted reproduction K. Ojha; S. Tse; D. Gillott; E. Iammorron; J. Grudzinsk (UK)</td>
<td>OC073</td>
</tr>
<tr>
<td>11:59</td>
<td>Discussion</td>
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<tr>
<td>12:02</td>
<td>Embryo implantation rate is related to endometrial and subendometrial vascularization measured by 3D ultrasound and power Doppler angiography A. Nazzaro; A. Salerno; M. Rubino; N. Leccia; P. Fusco (Italy)</td>
<td>OC074</td>
</tr>
<tr>
<td>12:07</td>
<td>Discussion</td>
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</tr>
<tr>
<td>12:10</td>
<td>The intercycle variability of ovarian blood flow in an IVF population K. Jayaprakasan; B. Campbell; J. Clewes; J. Hopkisson; I. Johnson; N. Raine-Fenning (UK)</td>
<td>OC075</td>
</tr>
<tr>
<td>12:15</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>12:18</td>
<td>Implantation, clinical pregnancy and miscarriage rates after introduction of ultrasound-guided embryo transfer C. Rubina Ali; A. Khaskan; G. Horne; C. Fitzgerald; L. Nardo (UK)</td>
<td>OC076</td>
</tr>
<tr>
<td>12:30–14:00</td>
<td>Lunch and poster viewing</td>
<td>Exhibition hall</td>
</tr>
<tr>
<td>12:45–13:45</td>
<td>Siemens satellite symposium **</td>
<td>Grand Ballroom</td>
</tr>
</tbody>
</table>

**Siemens satellite symposium**: Improving workflow and diagnostic confidence in obstetrics and gynecology (see page 54 for details)

<table>
<thead>
<tr>
<th>Time</th>
<th>_activity</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>14:00–16:00</td>
<td>Fetal and maternal Doppler</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>14:00</td>
<td>Overview</td>
<td>S. Eik-Nes (Norway)</td>
</tr>
<tr>
<td>14:20</td>
<td>Acceleration/ejection time ratio in the fetal pulmonary artery as a predictor of fetal lung maturity H. Azpurua-Pardi; E. Funai; M. Kleine; G. Luo; C. Buhimschi; J. Copel; E. Norwitz; S. Thung (USA)</td>
<td>OC077</td>
</tr>
<tr>
<td>14:38</td>
<td>Agreement between umbilical vein volume blood flow measurements obtained at the intra-abdominal portion and free-loop of the umbilical cord K. Flo; T. Wilsgaard; G. Acharya (Norway)</td>
<td>OC078</td>
</tr>
<tr>
<td>14:30</td>
<td>Live scan demonstration (supported by Siemens*) E. Gratacos (Spain)</td>
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</tr>
<tr>
<td>14:54</td>
<td>Assessment of embryonic and placental blood flow &amp; placental ultrastructure changed with contrast agent (SonoVueTM) in late pregnant rat C. Chao Sheng; D. Yang Qin Xu; B. Xin Lin Chen (China)</td>
<td>OC080</td>
</tr>
<tr>
<td>15:02</td>
<td>Cervical blood perfusion using power Doppler ultrasound and the estimation of fractional moving blood volume (FMBV): a reproducibility study J. Jerullo; M. Palacios; S. Fernandez; E. Gratacos; E. Hernandez-Andrade (Spain)</td>
<td>OC081</td>
</tr>
<tr>
<td>15:07</td>
<td>Comparison of the uterine artery score and the mean uterine artery PI in prediction of poor obstetric outcome K. Salvesen; B. Simensen; M. Husay; S. Eik-Nes (Norway)</td>
<td>OC082</td>
</tr>
<tr>
<td>15:10</td>
<td>Usefulness of a simple first-trimester screening approach to predict preeclampsia in high-risk pregnancies A. Galindo; I. Herrera; A. Grañeras; J. Arbeus; T. Bueso; J. Puente (Spain)</td>
<td>OC083</td>
</tr>
<tr>
<td>15:25</td>
<td>The use of multiple serum markers and uterine artery Doppler in predicting pre-eclampsia C. Zanardini; A. Papaioannou; B. Wormald; J. Sheldon; A. Bhide; B. Thilaganathan (UK)</td>
<td>OC084</td>
</tr>
<tr>
<td>15:30</td>
<td>Prediction of gestational hypertension by first trimester uterine artery Doppler and combined serum markers F. Audibert; N. An; N. Aleksandrov; S. Brunet; A. Grignon; F. Rypens; L. Morin; J. Massé (Canada)</td>
<td>OC085</td>
</tr>
<tr>
<td>15:35</td>
<td>Hemodynamic and placental markers to predict pre-eclampsia A. Khalil; S. Muttukrishna; K. Harrington; E. Jauniaux (UK)</td>
<td>OC086</td>
</tr>
<tr>
<td>15:50</td>
<td>The development of early and late preeclampsia are characterized by two different maternal hemodynamic states at 24 weeks gestation H. Valensise; B. Vassapollo; G. Galardi; G.P. Novelli (Italy)</td>
<td>OC087</td>
</tr>
<tr>
<td>15:55</td>
<td>Discussion</td>
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**Lunchtime satellite symposia are brought to you by our Congress supporters and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.
# Program – Tuesday 26 August 2008

## 14:00–16:00 Early pregnancy – PUL and ectopic pregnancy

**Chairs:** T. Bourne (UK); K. Barnhart (USA)

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers and Details</th>
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</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Overview: Management of PUL</td>
<td></td>
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<tr>
<td></td>
<td>K. Barnhart (USA)</td>
<td></td>
</tr>
<tr>
<td>14:15</td>
<td>Caesarean scar and other non tubal ectopic pregnancies</td>
<td></td>
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<tr>
<td></td>
<td>D. Jurkovic (UK)</td>
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<tr>
<td>14:30</td>
<td>Managing PUL: hormones, models or curettage?</td>
<td></td>
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<td></td>
<td>E. Kirk (UK)</td>
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<td>14:50</td>
<td>Is there a relationship between visualization of ectopic pregnancy on transvaginal scan and serum quantitative HCG?</td>
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<td></td>
<td>J. Short; G. Philipson (New Zealand)</td>
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<tr>
<td>14:55</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>14:58</td>
<td>Utilizing hCG ratio to reduce the number of visits in the pregnancy of unknown location (PUL) population</td>
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<tr>
<td></td>
<td>G. Condous; T. Bignardi; B. Van Calster; S. Van Huffel; D. Timmerman; T. Bourne</td>
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<td></td>
<td>(Australia); (Belgium); (UK)</td>
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<tr>
<td>15:03</td>
<td>Discussion</td>
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<tr>
<td>15:06</td>
<td>The use of serial measurements of inhibin A and activin A to predict the outcome of pregnancies of unknown location</td>
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<tr>
<td></td>
<td>E. Kirk; A. Papageorghiou; B. Van Calster; S. Van Huffel; N. Cowans; K. Spencer; T. Bourne</td>
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<tr>
<td></td>
<td>(UK); (Belgium)</td>
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<tr>
<td>15:11</td>
<td>Discussion</td>
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<tr>
<td>15:14</td>
<td>Can high definition transvaginal ultrasound result in a reduction in the number of women characterised as having a pregnancy of unknown location?</td>
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<td></td>
<td>S. Bora; L. Tan; F. Mukri; C. Bottomley; E. Kirk; D. Timmerman; T. Bourne</td>
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<td></td>
<td>(UK); (Belgium)</td>
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<tr>
<td>15:19</td>
<td>Discussion</td>
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<tr>
<td>15:22</td>
<td>The appearance and behaviour of ectopic pregnancies in the ‘pregnancy of unknown location’ population</td>
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<td></td>
<td>E. Kirk; A. Papageorghiou; A. Daemen; G. Condous; D. Timmerman; T. Bourne</td>
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<td></td>
<td>(UK); (Belgium); (Australia)</td>
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<tr>
<td>15:27</td>
<td>Discussion</td>
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<tr>
<td>15:30</td>
<td>The impact of introducing a new Acute Gynaecology Unit on the management of women with ectopic pregnancy</td>
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<tr>
<td></td>
<td>T. Bignardi; D. Alhamdan; G. Condous (Australia)</td>
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<tr>
<td>15:35</td>
<td>Discussion</td>
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<tr>
<td>15:38</td>
<td>The timing of serum human chorionic gonadotrophin measurements to predict the outcome of pregnancies of unknown location</td>
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<tr>
<td></td>
<td>E. Kirk; L. Tan; G. Condous; C. Bottomley; B. Van Calster; S. Van Huffel; D. Timmerman; T. Bourne</td>
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<tr>
<td></td>
<td>(UK); (Australia); (Belgium)</td>
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<tr>
<td>15:43</td>
<td>Discussion</td>
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<tr>
<td>15:46</td>
<td>Follow up cervical length in asymptomatic high risk women and the risk of spontaneous preterm birth</td>
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<tr>
<td></td>
<td>J. Crane; D. Hutchens (Canada)</td>
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<tr>
<td>15:51</td>
<td>Discussion</td>
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<tr>
<td>15:54</td>
<td>Clinical usefulness of single intra-amniotic methotrexate instillation in cervical pregnancy</td>
<td></td>
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<tr>
<td></td>
<td>Y. Kim; J. Kim; T. Song (Republic of Korea)</td>
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<tr>
<td>15:58</td>
<td>Discussion</td>
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<tr>
<td>15:58</td>
<td>Preterm labour</td>
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</table>

## 16:00–16:30 Coffee and poster viewing

**Exhibition hall**

## 16:30–18:00 Pre-term labour

**Chairs:** R. Romero (USA); C. Spong (USA)

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers and Details</th>
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</thead>
<tbody>
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<td>16:30</td>
<td>Overview</td>
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<tr>
<td></td>
<td>C. Spong (USA)</td>
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<tr>
<td>16:40</td>
<td>Reference range for cervical length throughout pregnancy: non parametric LMS-based model</td>
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<td></td>
<td>L. Salomon; C. Diaz-Garcia; J. Bernard; Y. Ville (France)</td>
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<tr>
<td>16:45</td>
<td>Reference intervals for cervical length in twin pregnancies: comparison of a transversal and longitudinal approach</td>
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<td></td>
<td>J. Stirnemann; L. Salomon; C. Diaz-Garcia; J. Bernard; Y. Ville (France)</td>
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<tr>
<td>16:50</td>
<td>Discussion</td>
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<tr>
<td>16:55</td>
<td>Follow up cervical length in asymptomatic high risk women and the risk of spontaneous preterm birth</td>
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<tr>
<td></td>
<td>J. Crane; D. Hutchens (Canada)</td>
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<tr>
<td>17:00</td>
<td>Transvaginal cervical length measurement as a predictor of preterm delivery in IVF patients</td>
<td></td>
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<tr>
<td></td>
<td>M. Wielgos; I. Szymusik; K. Koinska-Kaczynska; P. Marianowski; W. Dziadecki; R. Bardkowiak; D. Bomba-Opon; P. Kaminski; L. Bablok (Poland)</td>
<td></td>
</tr>
</tbody>
</table>
17:05 The clinical significance of early (<20 weeks) versus late (20–24 weeks) detection of a sonographic short cervix in asymptomatic women
E. Vaisbuch; R. Romero; O. Erez; J. Kusanovic; F. Gotsch; S. Mazaki-Tovi; V. Romero; C. Ward; T. Chaiworapongsa; P. Mittal; Y. Sorokin; S. Hassan (USA)
OC102

17:10 Discussion

17:20 Prediction of spontaneous preterm birth using ultrasound cervical length measurement and fetal fibronectin immunoassay
S. Rosales-Ortiz; R. Cano-Carrillo; C. Santelices-Llanos; O. Moreno-Alvarez; J. Ayala-Mendez (Mexico)
OC103

17:25 Significance of absent cervical gland area (CGA) in prediction for preterm birth in patients suffered from threatened preterm delivery: comparison of predictive efficacy with short cervical length (CL) and positive fetal fibronectin (FFN)
N. Nishida; T. Fukami; H. Asakura; T. Takeshita (Japan)
OC104

17:30 Ultrasound prediction of preterm delivery using variable cut-off value of cervical length
D. Baud; P. Hohlfeld; Y. Vial (Switzerland)
OC105

17:35 Discussion

17:38 Phosphorylated insulin-like growth factor binding protein-1 in cervical secretions and sonographic measurement of cervical length to predict preterm delivery
D. Paternoster; F. Riboni; A. Vitulo; M. Plebani; M. dell’Avanzo; G. Battagliarin; N. Surico; U. Nicolini (Italy)
OC106

17:43 Discussion

17:46 Use of cervical length and FFN for management of women with symptoms of preterm labour
V. Berghella (USA)
OC107

16:30–18:00 Early pregnancy miscarriage

16:30 Overview: Early pregnancy growth
A. Papageorghiou (UK)
OC107

16:40 Early embryonic growth and miscarriage
C. Bottomley; A. Daemen; F. Mukri; A. Papageorghiou; E. Kirk; A. Pexsters; B. De Moor; D. Timmerman; T. Bourne (UK); (Belgium)
OC108

17:00 Treatment strategies for ectopic pregnancy
K. Barnhart (USA)

17:15 Continuous ultrasound monitoring during surgical evacuation of pregnancy in the first trimester
M. Momtaz; O. AbdelAziz; A. Marzouk (Egypt)
OC109

17:20 Discussion

17:23 Validation of the Robinson growth curve with data of transvaginal ultrasound assessments in early pregnancy from a large Caucasian population
A. Pexsters; A. Daemen; C. Bottomley; D. Van Schoubroeck; L. De Catte; D. Timmerman; T. Bourne (Belgium); (UK)
OC110

17:28 Discussion

17:31 Up-take and success of expectant management of first trimester miscarriage
J. Casikar; T. Bignardi; D. Alhamdani; B. Van Calster; G. Condous (Australia); (Belgium)
OC111

17:36 Discussion

17:39 Biometrical parameters of the first trimester: A prospective study of the Czech population
K. Koterova; L. Krofa; I. Kucera; H. Stefanovicova; L. Haakova (Czech Republic)
OC112

17:44 Discussion

17:47 Determination of outcome in very early intrauterine pregnancies of uncertain viability
C. Bottomley; V. Van Belle; F. Mukri; E. Kirk; S. Van Huffel; D. Timmerman; T. Bourne (UK); (Australia); (Belgium)
OC113

17:52 Discussion

17:55 A new mathematical model for the prediction of successful expectant management of miscarriage
T. Bignardi; J. Casikar; S. Van Huffel; B. Van Calster; D. Timmerman; G. Condous (Australia); (Belgium)

18:00 Discussion

Poster viewing is available all day for:

**Exhibition hall**

Area A: Fetal echocardiography and CHD II
Area B: Maternal fetal Doppler
Area C: Second and third trimester malformations I
Area D: Ultrasound in obstetric management I
Area E: Early pregnancy

Rm 205–207
### OP08: Fetal heart II

**Chairs:** R. Axt-Fliedner (Germany), S. Yagel (Israel)

- **To evaluate the cardiac function at 11–14 weeks gestation by Doppler ultrasound**
  - Q. Min (China)

- **Early fetal heart assessment using 4D ultrasound – STIC technique in 11th-13+6 scans**
  - M. Wiechec (Poland)

- **Fetal cardiac abnormalities identified prior to 14 weeks’ gestation**
  - R. Axt-Fliedner (Germany)

- **Reproducibility of four-dimensional ultrasound with spatiotemporal image correlation (STIC) in the first trimester detection of cardiac anomalies**
  - A. Baschat (USA)

- **Fetal echocardiography at 11–14 weeks of gestation as a first control of early Doppler study**
  - W. Rozmus-Warcholinska (Poland)

- **Is fetal cardiac function gender dependent? – Comparative study in fetuses with a normal nuchal translucency**
  - S. Clur (Netherlands)

- **Three-dimensional ultrasound with STIC in the prenatal definition of aortic arch abnormalities**
  - A. Baschat (USA)

- **A prospective evaluation of the performance of dedicated 3D software, Volume Computer Aided Diagnosis, in displaying the fetal heart in the anomalies scan at 18–22 weeks**
  - A. Khurana (India)

- **The use of 3D Multislice technique in the evaluation of artifacts in fetal heart scanning during second trimester**
  - G. Nazzaro (Italy)

- **3D/4D ultrasound for fetal cardiac ventricle mass measurement in the second half of gestation in normal and anomalous cases**
  - A. Baschat (USA)

- **Impact of prenatal diagnosis of congenital heart disease on pregnancy and perinatal management**
  - M. Geiger (USA)

- **Standardized diagnostic fetal cardiac planes in the second trimester of pregnancy using three-dimensional software 3D XI PC Viewer**
  - R. Bataeva (Russian Federation)

- **Frequency of and causes of ventricular disproportion in fetal echocardiograms**
  - S. Clur (Netherlands)

- **Utility of the fetal echocardiogram after a normal fetal cardiac evaluation by detailed fetal anatomy ultrasound**
  - R. Stankov (USA)

- **Fetal myocardium: Compressible or noncompressible?**
  - B. Messing (Israel)

### OP09: First trimester ultrasound

**Chairs:** M. Bronshtein (Israel); A. Tabor (Denmark)

- **The impact of crown rump length measurement error on combined down syndrome screening**
  - L. Salomon (France)

- **A cross-sectional analysis of embryonic growth in normal and genetically abnormal pregnancies**
  - A. Pexsters (Belgium)

- **Crown-rump length measurements during the first trimester screening: Critical evaluation of dating the pregnancy**
  - M. Hynek (Czech Republic)

- **Early fetal trans-abdominal and trans-vaginal anatomy scans. Will they substitute the mid-trimester anomaly scan?**
  - A. Kateb (Egypt)

- **Combined ultrasound very early diagnostic scan (CUVEDIS) – The advantages of fetal anomaly scan at NT examination**
  - R. Achiron (Israel)

- **Ultrasound screening for major fetal congenital anomalies at the time of Nuchal Translucency Screening**
  - T. Singer (USA)

- **The role of first trimester ultrasound in the early diagnosis of structural fetal anomalies in an unselected Lebanese population**
  - R. Abu-Rustum (Lebanon)

- **Jugular lymphatic sacs in first-trimester fetuses with a normal nuchal translucency**
  - Y. Mooij de (Netherlands)

- **3D/4D determination of normal and abnormal face development of the fetus in the first trimester of pregnancy**
  - S. Voevodin (Russian Federation)

- **The impact of additional anomalies at the 11–14 weeks scan on the prediction of fetal outcome in fetuses with enlarged nuchal translucency**
  - E. Timmerman (Netherlands)

- **Quality control programs for routine ultrasound examination: Experience using an internet-based tool (www.sfape.com)**
  - L. Salomon (France)

- **Which approach is better for the first trimester fetal anatomy scan? A comparison of the transabdominal and transvaginal 3D sweeps**
  - B. Phattanachindakun (Thailand)
OP10: Multiple pregnancies

Abstract number

Rm 327

Chairs: B. Thilaganathan (UK); R. Bahado-Singh (USA)

Sonographic cervical length values as a predictor for delivery prior to 34 weeks in twin gestations
G. Smith (USA)

Cervical shortening rate as a predictor for preterm delivery in twin pregnancies
M. Yamamoto (Chile)

Cerclage for short cervical length on second trimester ultrasound in twin gestations
G. Smith (USA)

Trans-abdominal multifetal pregnancy reduction-related fetal loss is similar in monochorionic and dichorionic twin pairs
E. Bornstein (USA)

Can multifetal pregnancy reduction alter uterine artery Doppler velocimetry?
B. Selam (Turkey)

Risk of miscarriage and pregnancy outcome after multifetal pregnancy reduction (MFPR)
P. Caldas (Czech Republic)

Evaluation of early changes in foetal cardiac function in TTTS before and after laser therapy using the Myocardial Performance Index
B. Nasr (France)

Evaluation of cardiac function in TTTS. Comparison of Diastolic filling time in the ductus venosus with Myocardial performance index and shortening fraction
B. Nasr (France)

Assessment of the Diastolic function in TTTS before and after Laser therapy based on ductus venosus waveform analysis
B. Nasr (France)

Therapeutic procedures in twin to twin transfusion syndrome (TTTS)- serial amniodrainage vs selective fetoscopic laser surgery
P. Nowak (Poland)

Fetal exsanguination as a major cause for early intrauterine loss of the pump twin in twin reversed arterial perfusion (TRAP) sequence
W. Sepulveda (Chile)

Diagnosis of rupture in dividing membrane and cord entanglement within monochorionic diamniotic twins – Experience of 4 cases –
K. Maruko (Japan)

OP11: Pre-eclampsia screening and uterine artery Doppler

Abstract number

Rm 326

Chairs: Z. Alfirevic (UK); E. Hernandez-Andrade (Spain)

First trimester markers for prediction of pre-eclampsia
A. Khalil (UK)

Correlation between first trimester serum PAPP-A, second trimester MSAFP and uterine artery blood flow
H. Bodur (Turkey)

Can the severity of the maternal anti-angiogenic state of pre-eclampsia be detected by Doppler velocimetry?
T. Chaiworapongsa (USA)

Isolated first trimester uterine artery screening fails to predict severe cases of placental dysfunctions
A. Baschat (USA)

Clinical significance of abnormal uteroplacental Doppler at midtrimester in patients with favourable obstetric history
T. Ghi (Italy)

Prediction of preeclampsia by the uterine artery waveform analysis and brachial artery flow-mediated dilation in high-risk pregnancies
O. Moreno-Alvarez (Mexico)

Changes of uterine and umbilical flow in pregnancy complicated by Diabetes Mellitus in relation to the perinatal outcome
M. Pietruga (Poland)

Persistence of increased uterine arteries resistance in the third trimester and pregnancy outcome
E. Contro (Italy)

Uterine artery pulsatility index of hypertensive pregnancy: When is it normalized in puerperal period?
S. Lee (Republic of Korea)

Maternal myocardial function in asymptomatic 24 weeks’ bilateral notchling women
H. Valensise (Italy)

OP12: Early pregnancy

Abstract number

Rm 205–207; viewing Rm 204

Chairs: L. Cohen (USA); A. Monteagudo (USA)

Early pregnancy failure: Factors affecting successful medical termination
M. Odeh (Israel)

Successful non-surgical treatment of early second trimester cesarean scar pregnancies
J. Ilagan (USA)

Observational study of the impact of bleeding in early pregnancy on pregnancy outcome
R. Thompson (UK)

Doppler sonography to predict successful expectant management of miscarriage
D. Alhamdan (Australia)

Role of ultrasound in the diagnosis of ectopic pregnancy. Kosova experience
S. Sylejmani (Kosova)
Optimal timing of transvaginal ultrasound to confirm early pregnancy viability
C. Bottomley (UK)

Haemoperitoneum is not an absolute contraindication for expectant management of ectopic pregnancy: An ongoing pilot study
T. Bignardi (Australia)

Sonographic features of ectopic pregnancies following systemic methotrexate treatment: A case series
A. Fleischer (USA)

The management of post natal retained products of conception (RPOC) in women who present to an Acute Gynaecological Unit
T. Bignardi (Australia)

The role of 3-D ultrasound study of the endometrium in differentiating intrauterine versus extrauterine pregnancy
E. Zohav (Israel)

Color Doppler evaluation of cesarean scar pregnancy
H. Di (China)

Outcome prediction of single-dose intramuscular methotrexate treatment for tubal pregnancy
M. Moon (Republic of Korea)

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Posters (view only)

Posters are available for viewing all day

P31: Fetal echocardiography and CHD II

Prenatal diagnosis of fetal cardiac right ventricular diverticulum disappearing at 3 months of age. A case report and literature review
Y. Perlitz (Israel)

Single umbilical artery and Wolf Parkinson White syndrome
V. Marsoosi (Islamic Republic of Iran)

Giant bilateral hydrothorax treated in utero and monitored by fetal echocardiography – Case report
M. Slodki (Poland)

Atrial flutter with atrio-ventricular block 2:1 – case report
M. Swiatkowska-Freund (Poland)

Fetal cardiac rhabdomyoma (FCR) and transposition of the great arteries (TGA): An unusual association
A. Galindo (Spain)

Prenatal diagnosis of total anomalous pulmonary venous connection to the portal vein with absence of ductus venosus: A case report
T. Kaji (Japan)

Maternal complex congenital cardiac defect and fetal tachyarrhythmia
M. Small (China)

Prenatal diagnosis of aorto-pulmonary window, double-outlet right ventricle, and absent pulmonary valve; A case report of immediate neonatal death
M. Jugu (Japan)

The diagnostic value of 3D XI in the assessment of the interventricular septum
L. Telaymat (USA)

Antenatal carbamazepine use associated with cardiac anomaly: Report of prenatal diagnosis of two cases with ostium primum type ASD and muscular VSD
M. Basbug (Turkey)

Prenatal diagnosis of congenital aneurysm of left ventricle and evaluating fetal cardiac contractility by fetal isovolumetric contraction time
Y. Fujita (Japan)

Case report: Fetal myocardial calcification with hypertrophy and abnormality of extremities
L. Li (China)

P32: Maternal fetal Doppler

Uterine arteries doppler in the early second trimester for the prediction of fetal birth weight
N. Papantonio (Greece)

Is it possible to predict placenta accreta by uterine artery Doppler velocimetry in placenta previa
D. Kwak (Republic of Korea)

Nomogram of fetal middle cerebral artery peak systolic velocity in a brazilian population – pilot study
L. Nardozza (Brazil)

Embryo vascularization by three-dimensional power Doppler at 7 to 10 weeks of pregnancy: Preliminary results
L. Nardozza (Brazil)

Uterine artery Doppler in a risk population: What’s its role in the prediction of severe pregnancy complications?
G. Urbani (Italy)

Evaluation of fetal myocardial contractility in hydrops fetalis associated with bronchopulmonary sequestration
Y. Yumoto (Japan)

Peripheral vascular Doppler pulsatility indices (PI) in normal fetuses across gestation
D. Wood (USA)
## Posters – Tuesday 26 August 2008

### Abstract number

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<td>Fetal anemia screening using MCA velocities in women receiving chemotherapy during pregnancy</td>
<td>M. Ramirez (USA)</td>
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<td>Bilateral loss of end-diastolic frequencies in the uterine arterial waveform in predicting the risk of brain sparing effect in intrauterine growth restriction</td>
<td>S. Wozniak (Poland)</td>
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<td>Abnormal uterine Doppler velocimetry: Prenatal Doppler evaluation of very preterm fetuses and cerebral neonatal outcome</td>
<td>S. Triunfo (Italy)</td>
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<td>Coexistent cytomegalovirus and toxoplasma gondii infection in a pregnant women: Prenatal Diagnosis and pathologic correlation</td>
<td>S. Molina (Colombia)</td>
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<td>Late onset fetal nuchal translucency: Clinical implications</td>
<td>M. Bronstein (Israel)</td>
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<td>P33.03</td>
<td>Prenatal ultrasound and genetic detection of an unusual presentation of Down syndrome: Case report</td>
<td>D. Albu (Romania)</td>
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<td>P33.04</td>
<td>De Novo chromosome 10, partial deletion. Prenatal diagnosis</td>
<td>J. Ochoa (Argentina)</td>
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<td>Prenatal diagnosis of trisomy 18 in fetus with only bilateral choroids plexus cysts</td>
<td>G. Maruotti (Italy)</td>
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<td>Antenatal assessment of airway obstruction before EXIT</td>
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<td>Prenatal diagnosis of a foregut duplication cyst in the floor of the mouth</td>
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<td>Prenatal diagnosis of choledochal cyst</td>
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<td>Gastrochisis in association with schizencephaly and septo-optic dysplasia. A case report</td>
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<td>Prune belly syndrome, an uncommon form of presentation</td>
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<td>Umbilical artery aneurysm: Prenatal diagnosis</td>
<td>J. Duvez (Spain)</td>
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<td>Intraabdominal varix of the umbilical vein: Three case reports</td>
<td>M. Horenstein (Argentina)</td>
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<td>Prenatal diagnosis of renal duplication by fetal sonography</td>
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<td>Hypospadias mimicking female genitalia on early second trimester sonographic examination: Report of three cases</td>
<td>M. Odeh (Israel)</td>
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<td>Imaging help for the management of an abdominal pregnancy</td>
<td>C. Le-Ray (Canada)</td>
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<td>Placental chorioangioma and fetal VATER Association: Case report</td>
<td>L. Nardozza (Brazil)</td>
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<td>P33.17</td>
<td>Co-occurrence of multiple placental surface cysts and massive perivillous fibrin deposition in a fetus with left CDH: A case report</td>
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<td>Prenatal diagnosis of Klippel–Trenaunay–Weber syndrome</td>
<td>M. Basbug (Turkey)</td>
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<td>Prenatal diagnosis of choledochal cyst by ultrasound: A case report</td>
<td>D. Cafici (Argentina)</td>
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### P34: Ultrasound in obstetric management I

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<td>Usefulness of three-dimensional sonographic evaluation of maternal hydronephrosis volume as a diagnostic tool in urinary tract infection during pregnancy</td>
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<td>Placental dimensions in the early 2nd trimester for the prediction of fetal birth weight</td>
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<td>Ultrasanographic parameters of cesarean scars in nonpregnant uterus</td>
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<td>The relationship among the maternal serum markers, uterine artery Doppler velocimetry, perinatal outcome and 3D ultrasonographic measurement of the placental volume in the first trimester</td>
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<td>Complete chorion-amnion separation as a complication of second trimester genetic amniocentesis: Case series and review of the literature</td>
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<tr>
<td>Do Ca-125, CEA, MMP-8, IL-8, IL-1ß and/or TNF-α levels of cervical fluid at around 20 weeks’ gestational age predict cervical shortening</td>
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</table>
Ultrasound prediction of birth weight at 34–37 weeks and 37–40 weeks of gestation
M. Rajaei (Islamic Republic of Iran)

Ultrasound imaging in the diagnosis and management of placenta chorioangiomas
H. Di (China)

Outcome of early pregnancy ultrasound scan
I. Yakasai (Nigeria)

Aortovenous malformation (AVM) of uterus detected during pregnancy – a case series
J. Lee (Republic of Korea)

The diagnostic accuracy of different sonographic formulas in fetal weight estimation at the University of the Philippines-Philippine General Hospital
E. Llamas-Clark (Philippines)

Amniocentesis during second and third trimester of the pregnancy
S. Pundyasutti (Indonesia)

Effects of amnioreduction on symptomatic hydramnios pregnancy
Y. Kim (Republic of Korea)

Early uterine rupture after laparoscopic myomectomy: Management and outcome of subsequent pregnancy
V. Sachar (USA)

Evaluation of the new pocket-size ultrasound system ‘ACUSON P10 TM’ in routine obstetric use
N. Salomon (Germany)

Indomethacin: A diagnostic and therapeutic tool in the management of progressive cervical shortening diagnosed by trans-vaginal sonography
A. Kofinas (USA)

Prenatal diagnosis of placenta percreta in labor ward
E. Kaloyanova (United Arab Emirates)

Chorangiocarcinoma in a term placenta, a rare placental tumor
R. Boldes (Israel)

Hitting the target but missing the point – the fatal flaw of ectopic pregnancy research
G. Philipson (New Zealand)

Choriocarcinoma of the cervix in an ectopic cervical pregnancy
W. Clavelli (Argentina)

Comparative first-trimester, three-dimensional transvaginal ultrasound volumetry in normal and missed IVF pregnancies
Y. Goncharova (Ukraine)

Ultrasound diagnosis (3D ultrasound) and the treatment of non-tubal ectopic pregnancies
O. Istre (Norway)

Does the laterality of Corpus Luteum influence the Viability of Pregnancy?
S. Devarajian (UK)

Intramural Pregnancy with a past history of artificial abortion – A case report
N. Nishida (Japan)

A case of large myometrial defect after Methotrexate for cesarean scar ectopic pregnancy
T. Bignardi (Australia)

Conservative management of combined with H2O2 irrigation of lower uterine segment in a cesarean section scar pregnancy
C. Jeon (Republic of Korea)

Accuracy of ultrasound in the diagnosis of molar pregnancy
S. Cano (Spain)

Clinical analysis of ovarian pregnancy
J. We (Republic of Korea)

Ultrasonography versus HGC levels in cornual heterotopic pregnancy in women treated with methotrexate
L. Nardozza (Brazil)

Diagnostic accuracy of ultrasound examination in histologically confirmed hydatidiform mole
J. Ko (Republic of Korea)

Molar Pregnancy in Caesarean scar – A case report and the role of Ultrasound as a diagnostic tool
S. Sukumaran (UK)
# Program – Wednesday 27 August 2008

**Meet the Professor breakfasts**

**Grand Ballroom**

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<td><strong>Keynote Lecture</strong></td>
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<td>08:00</td>
<td>Molecular imaging in cardiology</td>
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<td>08:45–10:00</td>
<td><strong>Fetal growth and surveillance</strong></td>
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<tr>
<td>08:45</td>
<td>Live scan demonstration (supported by Siemens*)</td>
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<td>09:05</td>
<td>Overview</td>
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<tr>
<td>09:15</td>
<td>Abnormal Doppler velocimetry and SGA: evidence for the relationship between utero-placental insufficiency and a maternal anti-angiogenic state OC114</td>
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<td>09:23</td>
<td>Intrauterine growth restriction associated with maternal smoking in pregnancy – Symmetrical or Asymmetrical? OC115</td>
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<td>09:28</td>
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<td>09:31</td>
<td>Ductus venosus SIA Index and a-wave reversed flow in severely premature growth-restricted fetuses OC116</td>
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<td>09:38</td>
<td>Are double pulsations in the umbilical vein equivalent to a-wave reversal in the ductus venosus in the management of IUGR? OC117</td>
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<td>09:41</td>
<td>Doppler flow velocity waveforms assessment of fetal central shunts - a potential predictive tool for Intrauterine growth restriction in high risk pregnancies OC118</td>
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<td>09:46</td>
<td>Discussion</td>
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<td>09:48</td>
<td>Can individualized fetal growth standards be specified by using earlier scans? OC119</td>
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**Rm 205–207**

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<td><strong>Breast imaging</strong></td>
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<td>09:00</td>
<td>Breast MRI</td>
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<td>09:20</td>
<td>Live scan demonstration (supported by Philips*)</td>
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<td>09:40</td>
<td>Contribution of three-dimensional ultrasound to two-dimensional ultrasound analysis of benign and malignant breast disease OC120</td>
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<td>09:48</td>
<td>Polycystic ovary syndrome and fibrocystic breast disease: is there any association? OC122</td>
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**Chairled oral poster discussions**

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<td><strong>Rm 326: Twins</strong></td>
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<td>Rm 325</td>
<td>Fetal anomalies I</td>
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<td>Rm 324</td>
<td>Fetal growth restriction</td>
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<td>Rm 327</td>
<td>Screening and diagnosis in pregnancy</td>
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<td>Rm 326</td>
<td>Twins</td>
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<td>Rm 205–207</td>
<td>Ovarian masses</td>
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<td>Rm 202</td>
<td>Reproductive medicine</td>
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*Sessions must be pre-booked, see page 9 for details*

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Program – Wednesday 27 August 2008

10:30–11:15 Coffee and poster viewing

11:15–12:30 Multiple pregnancy

**Chairs:** E. Gratacós (Spain); M. D’Alton (USA)

11:15 Live scan demonstration (supported by Medison*)
K. Hecher (Germany)

11:35 Overview
E. Gratacós (Spain)

11:45 Significance of CRL discrepancy at 11–14 weeks in twin pregnancies
B. Thilaganathan; S. Sankaran; S. Sairam; A. Papageorghiou; A. Bhidé (UK)

11:50 Discordance of first trimester crown-rump-length (CRL) measurements is a predictor of adverse outcome in dichorionic twins
R. Fareeduddin; S. Rotmensch; J. Mirocha; J. Williams (USA)

11:55 Discussion

12:00 Longitudinal growth in twins: development and validation of a predictive model for weight
J. Stirnemann; J. Thalabard; L. Salomon; J. Bernard; Y. Ville (France)

12:05 Discussion

12:08 Management and neonatal outcome in monochorionic twin pregnancies presenting with marked estimated weight discordance at midtrimester
G. Chalouhi; M. Nassar; B. Nassir; Y. Ville (France)

12:13 Discussion

12:16 Clinical validation of the CHOP cardiovascular score for twin-to-twin transfusion syndrome (TTTS)
M. Bebbington; J. Rychik; Z. Tian; P. McCann; R. Wilson; S. Mann; M. Johnson (USA)

12:21 Evaluation of ventricular function in the recipient in twin-to-twin transfusion syndrome
B. Nassir; F. Proulx; L. Salomon; M. Essaouli; J. Bernard; Y. Ville (France)

12:26 Discussion

12:30–14:00 Lunch and poster viewing

12:45–13:45 GE Healthcare satellite symposium**

Extraordinary vision: Leading the way in ultrasound 3D and automation (see page 54 for details)

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**Lunchtime satellite symposia are brought to you by our Congress supporters and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.
**Program – Wednesday 27 August 2008**

### 14:00–16:00 Ultrasound and obstetric management  
**Grand Ballroom**

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<td>G. Pilu (Italy)</td>
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<td>Live scan demonstration (supported by Medison*)</td>
<td>W. Sepulveda (Chile)</td>
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<td>14:30</td>
<td>High prevalence of defects in caesarean section scars at transvaginal ultrasound examination</td>
<td>O. Vikhareva Osser; L. Jokubkienė; L. Valentin (Sweden)</td>
<td><strong>Grand Ballroom</strong></td>
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<td>14:35</td>
<td>Agreement between transvaginal ultrasound examination performed before and after hydrosonography with regard to caesarean section scar defects</td>
<td>O. Vikhareva Osser; L. Jokubkienė; L. Valentin (Sweden)</td>
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<td>14:45</td>
<td>Factors associated with lower uterine segment thickness in women with previous cesarean; a prospective study</td>
<td>E. Bujold; N. Jastrow Meyer; J. Simoneau; S. Brunet; R. Gauthier (Canada)</td>
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<td>14:50</td>
<td>Factors influencing the lower uterine segment thickness in late pregnancies with previous Cesarean Section</td>
<td>G. Gagnon; E. Bujold; L. Bérubé; N. Brassard (Canada)</td>
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<td>Normal values for fetal abdominal subcutaneous fat from 20 to 40 weeks gestation, measured using speckle reduction software</td>
<td>B. Stuart; C. Lynch; M. Turner (Ireland)</td>
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<td>Suggested pathophysiology for the high incidence of cord entanglement during early pregnancy detected by three-dimensional sonography</td>
<td>R. Tepper; D. Kidron; O. Markovitch; R. Hershkovitz (Israel)</td>
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<td>Velamentous cord insertion into the lower uterine segment and long aberrant vessels are associated with intrapartum fetal heart rate abnormalities</td>
<td>J. Hasegawa; K. Ichizuka; T. Okai (Japan)</td>
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<td>Ultrasound measurements or Bishop score before induction of labor?</td>
<td>T. Egebo; I. Økland; C. Heien; L. Gjessing; P. Romundstad; K. Salvesen (Norway)</td>
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<td>Correlation between sonographically determined fetal head rotation and direction in the second stage of labour</td>
<td>T. Ghı; M. Segata; A. Farina; G. Simonazzi; S. Gabrielli; A. Perolo; N. Rizzo; G. Pelusi; G. Pilu (Italy)</td>
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<td>Labor and delivery ultrasound service after office hours: how does it work?</td>
<td>A. Nair; B. Petrikovsky; W. Huang; K. Scott; A. Klapper (USA)</td>
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<td>Comparable estimated fetal weight from biometries of preterm and term singleton pregnancies support the use of birth weight charts for normal fetuses</td>
<td>M. Yamamoto; F. Rozas; C. Lopez; L. Caicedo; J. Leiva; J. Carrillo; P. Valentini; A. Insunza (Chile)</td>
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### 14:00–16:00 Ovarian pathology: lessons from clinical trials  
**Rm 205–207**

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<td>D. Timmerman (Belgium)</td>
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<td>Prospective evaluation of logistic regression models to predict malignancy of adnexal masses prior to surgery</td>
<td>B. Van Calster*; C. Van Holsbeke*; R. Fruscio*; S. Guerriero*; A. Czekierdowski; L. Valentin; L. Savelli; A. Testa; N. Colombo*; D. Fischerova*; J. Zhang*; D. Jurkovic; S. Van Huffel; T. Bourne; D. Timmerman* (Belgium); *(Italy); *(Poland); *(Czech Republic); *(China); *(UK)</td>
<td><strong>Rm 205–207</strong></td>
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<td>14:15</td>
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<td>14:18</td>
<td>Ultrasound scoring system to differentiate benign from malignant masses in specific subgroups of adnexal tumors</td>
<td>L. Valentin; L. Ameye; A. Testa; C. Van Holsbeke; E. Domalı; S. Van Huffel; I. Vergote; T. Bourne; D. Timmerman* (Sweden); *(Belgium); *(Italy); *(UK)</td>
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<td>14:26</td>
<td>Multicenter prospective testing to predict malignancy in adnexal masses using Bayesian network models</td>
<td>O. Gevaert*; C. Van Holsbeke*; R. Fruscio*; S. Guerriero*; A. Czekierdowski; L. Savelli; A. Testa; D. Fischerova; D. Jurkovic; T. Bourne; P. Neven; L. Valentin; B. De Moor; D. Timmerman* (Belgium); *(Italy); *(Poland); *(Czech Republic); *(UK); *(Sweden)</td>
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Program – Wednesday 27 August 2008

14:34 Confirming the limited role of CA-125 for adnexal mass diagnosis

B. Van Calster1; C. Van Holsbeke1; R. Fruscio2; A. Lissoni2; S. Guerriero2; L. Valentini3; A. Czekierdowski4; N. Colombo5; E. de Jonge6; D. Fischerova7; A. Testa8; S. Van Huffel9; T. Bourne10; D. Timmerman11

1(Belgium); 1(Italy); 2(Sweden); 3(Poland); 4(Czech Republic); 5(USA)

14:39 Discussion

14:42 The value of the ‘ovarian crescent sign’ to exclude an invasive malignancy

C. Van Holsbeke1; A. Czekierdowski2; D. Fischerova2; Z. Jingzhang4; E. de Jonge5; D. Jurkovic6; D. Paladini7; A. Testa8; D. Timmerman11

1(Belgium); 1(Italy); 2(Sweden); 4(China); 5(UK); 6(Italy)

14:47 Discussion

14:50 The ability of four ultrasound methods to discriminate between benign and malignant tumors considered difficult to classify by ultrason examiners

L. Valentini1; L. Ameye1; L. Savelli2; C. Van Holsbeke2; R. Fruscio3; A. Testa2; D. Fischerova4; S. Van Huffel4; D. Paladini5; F. Amant5; D. Jurkovic6; D. Timmerman7

1(Belgium); 1(Italy); 2(Italy); 3(Italy); 4(Czech Republic); 5(USA); 6(UK)

14:55 Discussion

14:58 Investigation of the performance of mathematical models on small ovarian masses in the IOTA phase 1 and 2 study

O. Gevaert1; A. Testa2; A. Daemen3; C. Van Holsbeke4; R. Fruscio5; E. Epstein6; F. Leone7; A. Czekierdowski8; L. Valentini9; L. Savelli10; T. Bourne11; F. Paladini12; A. Testa13; D. Fischerova14; S. Van Huffel15; D. Timmerman16

1(Belgium); 1(Italy); 3(Italy); 4(Poland); 5(Czech Republic); 6(USA); 7(USA); 8(Czech Republic); 9(USA); 10(Czech Republic); 11(UK); 12(Czech Republic); 13(USA); 14(Czech Republic); 15(USA); 16(USA)

15:03 Discussion

15:06 Pattern recognition by less experienced examiners and use of mathematical models to discriminate between static ultrasound images of benign and malignant adnexal masses

C. Van Holsbeke1; L. Lanno2; T. Mesens2; E. de Jonge3; L. Valentini4; D. Jurkovic5; J. Yazbek6; T. Holland7

1(Belgium); 2(Belgium); 3(UK); 4(Sweden); 5(UK)

15:11 Discussion

15:14 Prevalence of cancer and optimal cut-off levels for mathematical models to distinguish between benign and malignant adnexal masses

A. Daemen1; C. Van Holsbeke2; R. Fruscio3; S. Guerriero4; A. Czekierdowski5; L. Valentini6; L. Savelli7; A. Testa8; N. Colombo9; T. Bourne10; I. Vergote11; B. De Moor12; D. Timmerman13

1(Belgium); 1(Italy); 2(Italy); 3(Italy); 4(Czech Republic); 5(USA); 6(UK); 7(Czech Republic); 8(Czech Republic); 9(USA); 10(UK); 11(UK); 12(UK); 13(UK)

15:19 Discussion

15:22 Prospective evaluation of a model to diagnose adnexal masses as benign, primary invasive, borderline, or metastatic

B. Van Calster1; C. Van Holsbeke1; R. Fruscio2; S. Guerriero3; A. Czekierdowski4; L. Valentini5; L. Savelli6; A. Testa7; D. Paladini8; F. Leone9; E. Epstein10; T. Bourne11; S. Van Huffel12; D. Timmerman13

1(Belgium); 1(Italy); 2(Italy); 3(Italy); 4(Poland); 5(USA); 6(UK)

15:27 Discussion

15:30 Prospective external validation of an ultrasound scoring system to differentiate benign from malignant masses in specific subgroups of adnexal tumors

L. Valentini1; L. Ameye2; R. Fruscio3; C. Van Holsbeke4; A. Czekierdowski5; S. Guerriero6; N. Colombo7; D. Fischerova8; B. Jingzhang9; S. Van Huffel9; A. Testa10; D. Timmerman11

1(Belgium); 1(Italy); 2(UK); 3(Poland); 4(Czech Republic); 5(USA); 6(China)

15:35 Discussion

16:00–16:30 Coffee and poster viewing

16:30–18:00 Detailed fetal anatomy

Chairs: J. Hobbins (USA); Y. Ville (France)

G. Pilu (Italy)

16:30 Live scan demonstration (supported by GE Healthcare*)

G. Pilu (Italy)

16:50 Overview

J. Hobbins (USA)

17:00 Normative data of the transverse diameter of the developing fetal thymus

F. Gamez1; J. Santolaya-Forgas2; J. De Leon3; P. Pintado4; R. Perez-Fernandez4; L. Ortiz-Quintana

1(Spain); 2(USA)

17:05 A longitudinal study of the intrauterine growth of echogenic fetal lung masses

M. Bebhnaght6; E. Danzer2; J. Wright6; R. Wilson6; S. Mann6; M. Johnson6

1(USA)

17:10 Bronchopulmonary sequestration and congenital cystic adenomatoid malformation: natural history

F. Mirza1; S. Bauer1; A. Hawkins1; A. Van der Veer1; L. Simpson1

1(USA)

17:15 Discussion

17:20 Association of single umbilical artery with aneuploidy, congenital malformations and perinatal outcome: Findings in 49,688 unselected pregnant women

S. Tahir1; C. McKenna1; D. Tapoon1; L. Wee1; S. Kumar1; P. Bennett1

1(USA)

*Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems & technical support is provided by our Congress supporters.
Program – Wednesday 27 August 2008

17:30 Complicated gastroschisis – can prenatal ultrasound predict outcome? OC159
F. Friedrich; N. Canvasser; T. Chen; W. Su; S. Emil (USA)

17:35 Prenatal diagnosis of omphalocele with normal karyotype: a real antenatal dilemma OC160
A. Galindo; D. Escribano; J. Arbeus; I. Herrera; C. Rojo; L. Yago; O. Nieto (Spain)

17:40 Management and outcome of isolated abdominal calcifications OC161
C. Volino; A. Lestrade; J. Biard; F. Delève; C. Hubinont; P. Bernard (Belgium)

17:45 Discussion

16:30–18:00 Diagnosis and management of ovarian pathology Rm 205–207

16.30 How ultrasound quality impacts on the management of ovarian masses
D. Jurkovic (UK)

16:45 The relevance of asymptomatic simple ovarian cysts
L. Valentin (Sweden)

17.00 Presence of acoustic streaming in different types of adnexal masses OC162
C. Van Holsbeke; S. Guerriero; V. Van Belle; A. Czekierdowski; W. Ombelet; L. Valentin; D. Fischerova; D. Paladini;
Z. Jingzhang; D. Jurkovic; T. Bourne; D. Timmerman
‘(Belgium); ‘(Italy); ‘(Poland); ‘(Sweden); ‘(Czech Republic); ‘(China); ‘(UK)

17:05 Discussion

17:08 Transvaginal ultrasound guided needle aspiration in the management of patients with simple ovarian cysts OC163
M. Menteza; A. Ebrashy; M. Aboulghar; A. AlKateb; A. AlSheikha (Egypt)

17:13 Discussion

17:16 Ultrasound contrast examination to discriminate benign and malignant adnexal masses OC164
A. Testa; D. Timmerman; E. Fruscella; C. Van Holsbeke; L. Savelli; E. Ferrazzi; F. Leone; H. Marret; C. Exacoustos;
G. De Placido; D. Bokor; G. Ferrandina; V. Van Belle; L. Valentin
‘(Italy); ‘(Belgium); ‘(France); ‘(Sweden)

17:21 Discussion

17:24 Differential diagnosis of the most common benign ovarian cysts using transvaginal ultrasonography: Results of OC165
Sardinia-Navarra (Sa.Na.) group
S. Ajossa; J. Alcazar; R. Galvan; C. Laparte; M. Garcia-Manero; G. Lopez-garcia; M. Angiolucci; M. Gerada;
B. Virgilio; M. Pilloni; G. Melis; S. Guerriero
‘(Italy); ‘(Spain)

17:29 Discussion

17:32 Which parameters could be useful to predict malignancy in sonographically solid adnexal masses? OC166
J. Alcazar; P. Royo; R. Galvan; A. Ruiz-Zambrana; M. Auba; B. Olartecoechea (Spain)

17:37 Discussion

17:40 Ovarian calcifications – 10 year follow-up OC167
B. Petrikovsky; M. Tetrokalashvili; M. Ostrovsky (USA)

17:45 Discussion

17:48 Transvaginal color Doppler in the detection of ovarian cancer in a large study population: results of sardinia-navarra OC168
(Sa.Na.) group
S. Guerrero; J. Alcazar; S. Ajossa; M. Angiolucci; M. Gerada; B. Virgilio; M. Pilloni; R. Galvan; C. Laparte;
M. Garcia-Manero; G. Lopez-Garcia; G. Melis
‘(Italy); ‘(Spain)

17:53 Discussion

17:56 Multivariate Adaptive Regression Splines (MARS) statistical modeling of clinical and sonographic data for the OC169
preoperative classification of adnexal tumors
A. Smolen; A. Czekierdowski; N. Stachowicz; J. Kotarski (Poland)

Poster viewing is available all day for:

- Area A: Fetal growth restriction P36
- Area B: Multiple pregnancy P37
- Area C: Second and third trimester malformations II P38
- Area D: Ultrasound in obstetric management II P39
- Area E: Ovarian masses P40
- Area E: Reproductive medicine P41
### Posters – Wednesday 27 August 2008

**Oral poster discussion groups: 10:00–10:45**
Viewing available all day

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<td><strong>OP13.01</strong></td>
<td>The tracheal print: A prenatal sonographic clue to assess the atretic portion in oesophageal atresia</td>
<td>E. Quarello (France)</td>
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<td><strong>OP13.02</strong></td>
<td>Important to differentiate between fetal and neonatal populations</td>
<td>A. Brantberg (Norway)</td>
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<td><strong>OP13.03</strong></td>
<td>Gastroscisis: Fetal biometry and intraterine growth patterns</td>
<td>A. Horton (USA)</td>
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<td><strong>OP13.04</strong></td>
<td>Fetal growthscisis: Role of multiple antepartum fetal surveillance modalities: A preliminary report</td>
<td>M. Nazir (USA)</td>
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<td><strong>OP13.05</strong></td>
<td>Stomach dilatation may be associated with fetal demise in fetuses with isolated gastroscisis</td>
<td>M. Bisulli (USA)</td>
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<td><strong>OP13.06</strong></td>
<td>Correlation between prenatal ultrasound measurements and newborn outcome in the free loop of the small bowel in gastroscisis</td>
<td>J. Otero-Pinto (Colombia)</td>
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<td><strong>OP14.01</strong></td>
<td>Assessing early first trimester growth with ultrasonography: The influence of ethnic background</td>
<td>C. Bottomley (UK)</td>
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<td><strong>OP14.02</strong></td>
<td>The influence of maternal age on early first trimester growth assessed by ultrasound</td>
<td>C. Bottomley (UK)</td>
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<td><strong>OP14.03</strong></td>
<td>Antenatal diagnosis of fetal growth restriction – is there an ideal method?</td>
<td>N. Potdar (UK)</td>
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<td><strong>OP14.04</strong></td>
<td>Prediction of small for gestational age fetuses with combination of the maternal serological markers PAPP-A, beta-hCG and ADAM12 in first trimester</td>
<td>K. Pitt (Denmark)</td>
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<td><strong>OP14.05</strong></td>
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<td>C. Lynch (Ireland)</td>
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<td><strong>OP14.06</strong></td>
<td>Prediction of outcome in fetuses with short femur on ultrasound: A role for z scores</td>
<td>L. Salomon (France)</td>
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<td><strong>OP14.07</strong></td>
<td>Reduced diastolic myocardial tissue velocities in the growth retarded fetus</td>
<td>L. Larsen (Denmark)</td>
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<td><strong>OP14.08</strong></td>
<td>Venous liver redistribution in IUGR: Relationship to splanchnic arteries</td>
<td>T. Kiserud (Norway)</td>
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<td><strong>OP14.09</strong></td>
<td>Analysis of the hemodynamics of fetal renal artery and fetal renal volume during the normal course of pregnancy</td>
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<td><strong>OP14.10</strong></td>
<td>Predictors of cardiovascular deterioration in placenta-based fetal growth restriction (FGR)</td>
<td>A. Baschat (USA)</td>
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<td><strong>OP14.11</strong></td>
<td>Integrated Doppler and BPS in severe IUGR fetus predict neonatal outcome</td>
<td>E. Cosmi (Italy)</td>
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<td><strong>OP14.12</strong></td>
<td>Independent and combined contribution of cardiovascular Doppler parameters to short-term prediction of mortality in severe IUGR</td>
<td>E. Gratacós (Spain)</td>
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<td><strong>OP14.13</strong></td>
<td>Childhood cardiovascular compromise may be assessed in utero and soon after birth in IUGR fetuses</td>
<td>E. Cosmi (Italy)</td>
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Small for gestational age fetuses: Does presence of preeclampsia affect neonatal outcome? 
G. Urban (Italy)

OP14.15
The effects of the maternal hyperoxygenation test on twin pregnancies with one intrauterine growth restricted (IUGR) fetus 
A. Suhag (USA)

OP14.16
Cardiovascular changes and neonatal outcome in IUGR fetuses born to normotensive and preeclamptic mothers 
P. Cozzi (Italy)

OP15: Screening and diagnosis in pregnancy
Chairs: H. Valensise (Italy); A. Ngu (Australia)

OP15.01
Only one 13–15 weeks scan – efficiency in low risk pregnancy 
S. Tudorache (Romania)

OP15.02
The patient’s knowledge about ultrasound examination at the time of mid-trimester scan 
L. Salomon (France)

OP15.03
Are women fully aware of the reasons for their ultrasound scans in pregnancy? 
S. Cumming (UK)

OP15.04
The reasons why pregnant women wish to have prenatal ultrasound in low risk pregnancies 
M. Rajai (Islamic Republic of Iran)

OP15.05
“Routine versus indicated third trimester ultrasound”: Is a randomized trial feasible? 
C. Le Ray (Canada)

OP15.06
Does second trimester ultrasound affect normal fetal physiology? 
C. Booker (USA)

OP15.07
Benefits of early screening in fetal anomalies diagnosis 
N. Cernea (Romania)

OP15.08
Fetal abnormalities leading to 3rd trimester abortion: 9 year experience from a single Medical Center 
O. Barel (Israel)

OP15.09
Epidemiological characteristics of ultrasonographically detected congenital anomalies in Egyptian women 
M. Ebraheem (Egypt)

OP15.10
The role of reason for referral, genetic counseling, and genetic sonogram in maternal decision making regarding amniocentesis among pregnancies identified with a Trisomy 21 fetus 
R. Benot (USA)

OP15.11
Ultrasonographic biometric estimation of fetuses with Down syndrome in the second trimester: A matched control study 
A. Smolin (Israel)

OP15.12
Prenatal ultrasound detection and natural history of trisomy 18 
G. Urban (Italy)

OP15.13
The Frontal-Fetal-Face vertical at 16-34 weeks’ gestation: A reference line for fetal profile anomalies with 3D ultrasound 
E. de Jong-Pleij (Netherlands)

OP15.14
Facial findings in fetuses with nonchromosomal syndromes diagnosed by prenatal ultrasound 
M. Basbug (Turkey)

OP15.15
Evaluation of human cervical microstructure with quantitative ultrasound 
H. Feltovich (USA)

OP16: Twins
Chairs: M. Momtaz (Egypt); O. Petersen (Denmark)

OP16.01
First-trimester sonographic screening for aneuploidy in multiple pregnancies 
W. Seguelveda (Chile)

OP16.02
First-trimester nuchal translucency screening for fetal aneuploidies in multiple pregnancies 
P. Prats (Spain)

OP16.03
First-trimester ductus venosus screening for fetal aneuploidies in multiple pregnancies 
P. Prats (Spain)

OP16.04
Integrated second trimester risk assessment in twin gestations previously screened in the first trimester 
L. Platt (USA)

OP16.05
Diamentic twin pregnancies with a single placental mass; prediction of chorionicity at 11–14 weeks of gestation 
M. Moon (Republic of Korea)

OP16.06
Strategies and implications of modelling longitudinal prenatal growth in twin pregnancies 
J. Stirnemann (France)

OP16.07
Ultrasound estimation of fetal weight in twin pregnancies. How accurate are we? 
C. Diaz-Garcia (Spain)

OP16.08
Accuracy of sonographic prediction of fetal weight discordance in twin pregnancies 
C. Diaz-Garcia (Spain)

OP16.09
Fetal weight discordance in twin pregnancies: Lessons from a longitudinal study 
J. Stirnemann (France)

OP16.10
Effect of chorionicity, zygosity and gender on twin birth weight, weight discordance and perinatal outcome 
C. Diaz-Garcia (Spain)
Discrepancy of first trimester crown-rump lengths and birth weights in twins of Chinese population
C. Chou (Taiwan)

First trimester fetal head and trunk volume and birthweight discrepancy in twin pregnancies. A preliminary study
M. Fajardo (Spain)

Clinical combining-application of ultrasound and MRI on multiplets malformations
A. Xin Lin Chen (China)

OP17: Ovarian masses

Chairs: A. Czekierdowski (Poland); L. Valentin (Sweden)

Prospective comparison of one-step and two-step models for the classification of adnexal masses as benign or malignant
A. Daemen (Belgium)

A critical analysis of three-dimensional power-Doppler angiography (3D-PDA) vascular sampling: Comparison between manual and 5-cc sphere sampling
J. Alcazar (Spain)

Variation in the morphological appearance of ovarian mature cystic teratomas: Implications for diagnosis and management
T. Holland (UK)

The value of pre-operative ultrasound in triaging women with adnexal pathology for laparoscopic surgery
D. Alhamdan (Australia)

Spherical virtual tissue sampling with different size samples in 3D power Doppler angiography for evaluation of ovarian cancers
M. Kudla (Poland)

Triage for surgical management of ovarian tumors in symptomatic women: Assessment of an ultrasound-based scoring system
J. Alcazar (Spain)

Doppler evaluation of wall shear rate (WSR), wall distension rate (WDR), turbulence index (TI) in preoperative ovarian cysts: A prospective study
G. Urban (Italy)

Transvaginal ultrasound predicts ovarian tumor associated neoangiogenesis
J. Abramowicz (USA)

Sonographic features of primary ovarian fibrosarcoma. A report of two cases
A. Testa (Italy)

Supported Vector Machines (SVM) for the preoperative discrimination of ovarian tumors: Analysis of selected clinical, biochemical, 2D gray-scale and 3D sonoangiographic data
A. Czekierdowski (Poland)

Evaluation of ultrasonographic characteristics of malignancy in ovarian tumors
S. Negm (Egypt)

OP18: Reproductive medicine

Chairs: N. Raine-Fenning (UK); A. Lev-Toaff (USA)

A scoring system for evaluation of saline infusion sonohysterosalpingography results in infertile women
R. Vladareanu (Romania)

Effect of rising hCG levels on the human corpus luteum during early pregnancy
I. Järvelä (Finland)

Three-dimensional ultrasonography (3D-US) and power Doppler angiography (PDA) measurements to predict ovarian response
Y. Gilboa (Israel)

Role of the three Vdimensional ultrasound in the evaluation of the uterine cavity in women undergoing assisted reproductive technologies
K. Oha (UK)

Three dimensional perifollicular blood flow by power Doppler angiography and cumulus-oocyte complex assessment in IVF
A. Nazzaro (Italy)

Comparison of 3D to 2D Ultrasound techniques for counting ovarian follicles
N. Moawad (USA)

Assessing correlation between ovarian and stromal volumes and fasting and postprandial insulin levels in PCOS patients
C. Nagori (India)

Computerized endometrial vascularization study using systolic and diastolic 2D power Doppler in the cycles with intrauterine irrigation procedures
Z. Leibovitz (Israel)

3D and 3DPD assessment of polycystic ovaries and correlation of these parameters to 2D,CD parameters (study of 125 patients)
S. Panchal (India)

Automated three-dimensional follicular measurements increase the clinical work flow in an IVF programme
N. Raine-Fenning (UK)

Uterine malformation: Diagnosis with ultrasound and 3D reduces the need for laparoscopic control during hysteroscopic metroplasty
O. Istre (Norway)
# Posters – Wednesday 27 August 2008

## Posters (view only)

Posters are available for viewing all day

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<td>Birthweight according to gestational age: Still the best predictor for perinatal mortality</td>
<td>R. Gonzalez (Chile)</td>
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<td>Twins with one face, four arms and four legs in Virtual Reality</td>
<td>M. Rousian (Netherlands)</td>
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<td>V. Catanzarite (Italy)</td>
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**S. Sotiriou** (Greece)  
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**H. Wong** (New Zealand)  
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Prenatal diagnosis of adrenal neuroblastoma with 3D sonography and magnetic resonance imaging  
**K. Yusupov** (Russian Federation)  
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**P39: Ultrasound in obstetric management II**  
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**H. Mirghani** (United Arab Emirates)  
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Uterine volume during pregnancy – A cross sectional study  
**L. Na** (Singapore)  
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Is fetal foot length affected by fetal gender?  
**A. Smolin** (Israel)  
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**H. Tam Tam** (USA)  
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A study to determine the veracity of the ultrasonographic measurements of the thymus during fetal development  
**J. Santolaya-Forgas** (USA)  
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**C. Blake** (USA)  
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Incidental diagnosis of intra-abdominal umbilical vein varix during third trimester – sonographic findings and clinical outcome of three cases  
**J. Ilagan** (USA)  
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Cervicovaginal fistula presenting during spontaneous abortion  
**M. Small** (USA)  
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Severe adenomyosis requiring cesarean hysterectomy  
**T. Beiswenger** (USA)  
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Prenatal diagnosis of a scalp mass  
**S. AlDarei** (USA)  
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**N. Potdar** (UK)  
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**H. Sedlaczek** (Germany)  
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**T. Singer** (USA)  
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A correlation of Doppler ultrasound findings with histology in placenta accreta  
**H. Wong** (New Zealand)  
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Sonographic measurement of the lower uterine segment thickness: Need for a consensus to predict uterine rupture  
**M. Bergeron** (Canada)  
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Intraobserver and interobserver reproducibility of transvaginal ultrasonographic measurements of cervical length at 16 – 18 weeks, 20 – 22 weeks and 37 – 39 weeks  
**K. Park** (Republic of Korea)  
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**P40: Ovarian masses**  
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**Z. Leibovitz** (Israel)  
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Sonographic and color Doppler features of testosterone secreting mature ovarian teratoma  
**P. Dar** (USA)  
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3D ultrasonographic features in endometriotic and hemorrhagic cysts  
**M. Pascual** (Spain)  
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The clinical usefulness evaluation of new ultrasonographic method E-flow in Doppler index ovarian tumors malignancy prediction  
**D. Szpuner** (Poland)  
P40.05

Atypical ultrasonographic presentation of ovarian vein thrombosis simulating a paraovarian cyst  
**M. Pascual** (Spain)  
P40.06

Case of ovarian leiomyoma causing torsion: Conversion to laparotomy during laparoscopic operation  
**Y. Park** (Republic of Korea)  
P40.07
P41: Reproductive medicine

A new insertion method of the Levonorgestrel intrauterine system (LNG-IUS) in nulliparous patients: A pilot study
F. Quijano (Colombia)

Application of 3D inversion mode for antral follicle count
L. Mok (Singapore)

An obsolete 25-year-old Chinese ring intrauterine device: Applications of three dimensional sonography to determine its presence and location
T. Wataganara (Thailand)

Use of ultrasound for embryo transfer across the UK
C. Rubina Ali (UK)

The role of ultrasonography in detection of the uterine congenital malformations
B. Kastratovic-Kotlica (Serbia)
# Meet the Professor breakfasts

Meet the Professor breakfasts

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<td>Grand Ballroom</td>
<td>T. Bourne (UK)</td>
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<td>08:00–08:45</td>
<td>Why pelvic floor reconstructive surgeons need ultrasound imaging</td>
<td>Grand Ballroom</td>
<td>H. Dietz (Australia)</td>
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<td>08:45–10:00</td>
<td>Fetal heart III: 4D and outcomes</td>
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<td>H. Dietz (Australia)</td>
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<td>09:05</td>
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<td>B. Tutschek (Germany)</td>
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<td>09:10</td>
<td>Assessing the anal sphincter</td>
<td>Grand Ballroom</td>
<td>D. Pretorius (USA)</td>
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<td>09:25</td>
<td>Risk factors for levator ani obstetric trauma assessed by 3DTUS and its significance in the development of pelvic floor disorders</td>
<td>Grand Ballroom</td>
<td>D. Valsky; B. Messing; R. Pomp; A. Bord; D. Hochner-Celniker; Y. Lavy; S. Yagel; I. Eldar; E. Esh-Broder; (Israel)</td>
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<td>09:33</td>
<td>Transperineal sonography (TPUS) compared with endoanal sonography (EAUS) in the diagnosis of anal sphincter injury following vaginal delivery</td>
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<td>09:41</td>
<td>Bladder neck evaluation by perineal ultrasound before and after polypropylene mesh surgery for pelvic organ prolapse</td>
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<td>M. Nishibayashi; A. Miki; R. Okagaki; I. Nagata; O. Ishihara; (Japan)</td>
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<td>09:49</td>
<td>Modeling the risk of levator trauma in a urogynaecological population</td>
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* Sessions must be pre-booked, see page 9 for details

*Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems & technical support is provided by our Congress supporters.
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<td>10:15–11:15</td>
<td>Coffee and poster viewing</td>
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<tr>
<td>11:15–12:30</td>
<td>Fetal interventions</td>
<td>Grand Ballroom</td>
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<td>11:15</td>
<td>Overview</td>
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<td>In utero valveplasty for critical aortic stenosis and pulmonic atresia developing ventricular hypoplasia</td>
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<td>Prognostic value of preoperative cardiac function in TTTS</td>
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<td>L. Salomon; J. Bernard; L. Ortvist; B. Nasr; M. Essaoui; L. Bussières; Y. Ville (France)</td>
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<tr>
<td>11:56</td>
<td>The rate and risk factors for fetal loss (FL) following Chorionic Villus Sampling (CVS)</td>
<td>OC185</td>
<td>A. Odibo; D. Stamilo; B. Oberte; J. Dicke; D. Gray; G. Macones; J. Crane (USA)</td>
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<td>12:04</td>
<td>Intravascular intrauterine transfusions for red cell alloimmunization: accuracy and improvement of a formula used in a Canadian tertiary center</td>
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<td>C. Le Ray; L. Hudon; L. Leduc (Canada)</td>
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<td>Menopausal endometrium and screening for pelvic pathology</td>
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<td>11:15</td>
<td>Imaging the endometrium</td>
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<td>11:35</td>
<td>The relevance of asymptomatic endometrial polyps</td>
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<td>12:13</td>
<td>Saline infusion sonography endometrial sampling superior to endometrial biopsy in diagnosis of endometrial pathology</td>
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<td>F. Leone; C. Marcianti; F. Pagano; M.C. Antonacci; G. Tosi; V. Vago; E. Ferrazzi (Italy)</td>
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<td>12:32</td>
<td>Early diagnosis in ovarian cancer; role of transvaginal color Doppler ultrasound. A nine year experience</td>
<td>OC191</td>
<td>M. Pascual; L. Hereter; S. Graupera; T. Tresserra; I. Rodriguez; S. Dexeus (Spain)</td>
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Program – Thursday 28 August 2008

12:30–14:00 Lunch and poster viewing

**Philips satellite symposium**

12:45–13:45 A variety of topics will be presented (see page 54 for details)

14:00–16:30 Controversies in obstetric imaging

**A. Tabor (Denmark); J. Abramowicz (USA)**

14:00 Overview

J. Abramowicz (USA)

14:10 Ultrasound weight estimation of large fetuses: a comparative study of two- and three-dimensional methods

G. Lindell; K. Maršál (Sweden)

14:15 Discussion

14:20 Late recognition of fetal malformations – legal and liability aspects in Europe

C. Brezinka (Austria)

14:20 Discussion

14:20 Prenatal ultrasound exposure and school achievement in teenagers; follow-up of a randomized controlled trial

K. Stalberg; O. Axelsson; B. Haglund; C.M. Hultman; M. Lambe; H. Kieler (Sweden)

14:35 Handedness and prenatal ultrasound

K. Heikkilä; E. Vuoksimaa; K. Oksava; A. Saari-Kemppainen; M. Iivanainen (Finland)

14:40 Safety of ultrasonography in pregnancy: WHO systematic review of the literature and meta-analysis

M. Toroni; N. Vedmedovska; M. Merialdi; A. Betrán; T. Allen; R. Gonzalez; L. Platt

(‘Brazil’; ‘Latvia’; ‘Switzerland’; ‘Chile’; ‘USA’)

15:00 Discussion

15:10 Debate: Is 3D/4D clinically useful?

For: B. Benacerraf (USA)

Against: A. Vintzileos (USA)

**Poster viewing is available all day for:**

**Exhibition hall**

Area A: Fetal interventions
Area B: Fetal MRI
Area C: Second and third trimester screening and diagnosis
Area D: Pelvic floor
Area D: Complementary imaging and therapies

**Lunchtime satellite symposia are brought to you by our Congress supporters and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.**
Posters – Thursday 28 August 2008

Oral poster discussion groups: 10:00–10:45
Viewing available all day

**OP19: Fetal anomalies II**

**Chairs:** Y. Zalel (Israel); G. Yeo (Singapore)

**Congenital Chylothorax. Prenatal diagnosis and long-term follow-up**
A. Galindo (Spain)

**The abnormal mediastinal masses – Retrospective study of French fetal echography college**
E. Bensaid (France)

**Prenatal ultrasonographic diagnosis and outcome of congenital lung abnormal lesion**
S. Li (China)

**Antenatally diagnosed congenital cystic adenomatoid malformations (CCAM); Accuracy of diagnosis, management and outcome**
P. Vít (Czech Republic)

**Ipsilateral lung volumes assessed by three-dimensional ultrasonography in 39 fetuses with isolated congenital diaphragmatic hernia**
R. Ruano (Brazil)

**Predicting neonatal prognosis in 40 fetuses with isolated congenital diaphragmatic hernia using the “ultrasonographic fetal lung volume to body weight ratio”**
R. Ruano (Brazil)

**Usefulness of GAC score as a prognostic marker for survival of fetuses with congenital diaphragmatic hernia**
K. Oh (Republic of Korea)

**Incidence of urinary tract abnormalities in a prenatal diagnosis private unit**
R. Cassis-Martinez (Ecuador)

**Isolated mild fetal Pyelectasis and infant outcome**
P. Dar (USA)

**Establishing the reproducibility of fetal renal pelvis volume measurements with Automated Volume Calculation (SonoAVC)**
L. Duin (Netherlands)

**The distance between fetal umbilical cord insertion and symphysis pubis In utero indication for congenital bladder extrophy**
Y. Gilboa (Israel)

**Fetal bladder extrophy – in-utero clues for definitive diagnosis**
L. Gindes (Israel)

**OP20: Fetal Doppler**

**Chairs:** C. Brezinka (Austria); T. Kiserud (Norway)

**Fetal breathing increases umbilical blood flow after the second trimester**
M. Nyberg (Norway)

**Absolute blood velocities in the umbilical artery reflect umbilical volume flow in IUGR-fetuses**
A. Schwarze (Norway)

**Reliability of the fetal umbilical vein volume flow measurement between different operators**
J. Carrillo (Chile)

**Assessment of fetal middle cerebral artery peak systolic velocity in different segments**
A. Carmo (Brazil)

**Middle cerebral artery peak systolic velocity in pregnancies complicated by isomunization: Is it applicable in clinical practice?**
W. Kurd (Saudi Arabia)

**Improved imaging of the portal system with 3D/4D Doppler modalities and B-flow**
S. Yager (Israel)

**Alveolar capillary dysplasia – Prenatal diagnosis in at risk couples using Doppler flow analysis of fetal pulmonary arteries**
O. Nevo (Canada)

**Imaging the Hyrtl anastomosis with 3D/4D ultrasound modalities. Anatomy and functional assessment**
B. Messing (Israel)

**The uteroplacental and fetal circulation in ongoing pregnancies with known fetal malformations – correlation with maternal distress**
A. Helbig (Norway)

**OP21: Fetal heart III**

**Chairs:** W. Lee (USA); M. Sklansky (USA)

**Congenital heart disease in fetuses with abnormal ductus venosus blood flow and normal karyotype**
J. Martinez (Spain)

**Prenatal diagnosis of coarctation of the aorta in 40 pregnancies during the second and third trimesters: Correlation with postnatal findings**
O. Gómez (Spain)

**Effectiveness of early fetal echocardiography with 4D-STIC technology**
M. Bennasar (Spain)

**Prenatal diagnosis with ultrasonography in cardioesplenic syndromes**
M. Kim (Republic of Korea)
Increased fetal nuchal translucency: Is diastolic cardiac function gender dependent? 
S. Clur (Netherlands)  

Sizes of fetal cardiovascular structures across gestation  
D. Wood (USA)  

Prenatal sonographic diagnosis of fetal anomalies of arch branches  
S. Li (China)  

The role of three vessels and trachea view in screening fetal congenital heart defects  
H. Wang (China)  

Global myocardial performance index (Tei index) is a sensitive parameter of cardiovascular dysfunction in fetuses with supraventricular tachycardia (SVT)  
M. Nimbalkar (USA)  

Myocardial tissue doppler in fetuses of diabetic mothers  
P. Zielinsky (Brazil)  

To Evaluate the Cardiac Large Vessels’ hemodynamics in 11–14 weeks’ gestation by Doppler ultrasound  
A. Johnson (USA)  

Fetoscopic surgery in triplet pregnancies with TRAP sequence  
S. Mann (USA)  

Revised risk of fetal loss following second trimester amniocentesis  
N. Papantonioiu (Greece)  

In Twin to Twin Transfusion Syndrome (TTTS) there is improvement in CVPS of the recipient  
M. Respondek-Liberska (Poland)  

Cord occlusion in complicated monochorionic (MC) multiple pregnancies: A comparison of techniques  
K. Gouin (Canada)  

Application of high-intensity focused ultrasound for fetal therapy – experimental study using animal model for obstructive uropathy  
K. Ichizuka (Japan)  

Invasive procedures for fetal karyotyping; No cause of a subsequent gestational hypertension/preeclampsia  
P. Lindgren (Sweden)  

Fetal karyotype in twin to twin transfusion syndrome: A seven-year study  
L. Salomon (France)  

A recurrent missense mutation in the ITGA9 gene is associated with poor prognosis in fetuses with severe chylothorax treated by antenatal OK-432 pleurodesis  
M. Chen (Taiwan)  

Early intra-uterine transfusions (IUT) in severe red blood cell (RBC) alloimmunization  
Y. Yinon (Canada)  

Late CVS: Experience with 5800 cases  
P. Podobnik (Croatia)  

Amniotic fluid RT-PCR for prenatal diagnosis of congenital CMV infection after suspicious ultrasound or maternal disease  
S. Yagel (Israel)  

OP22: Fetal interventions  

Chairs: M. Hansmann (Germany); T. Ghi (Italy)  

Fetoscopic laser surgery for severe twin-twin transfusion syndrome: A five-year experience in Japan  
H. Sago (Japan)  

Gelatin seal of fetoscopic access port following laser photocoagulation in Twin Twin Transfusion syndrome  
A. Johnson (USA)  

Fetoscopic surgery in triplet pregnancies with TRAP sequence  
S. Mann (USA)  

Revised risk of fetal loss following second trimester amniocentesis  
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P. Podobnik (Croatia)  

Amniotic fluid RT-PCR for prenatal diagnosis of congenital CMV infection after suspicious ultrasound or maternal disease  
S. Yagel (Israel)  

OP23: Ultrasound in obstetric management  

Chairs: K. Salvesen (Norway); T. Lau (China)  

Long duration of labor and post-partum anemia increase the risk of large defects in caesarean section scars  
O. Vikhareva Osser (Sweden)  

Assessing the risk of spontaneous preterm birth using ultrasound cervical length and fetal fibronectin  
E. Gottschalk (Germany)  

Bishop score, cervical length and fetal fibronectin immunoassay in prediction of successful labor induction in hypertensive disorders of pregnancy  
O. Moreno-Alvarez (Mexico)  

Clinical and sonographic parameters at 37 weeks’ gestation to predict the risk of caesarean delivery for failure to progress in nulliparous women  
S. Kim (Republic of Korea)  

Clinical Efficacy of XI VOCAL in cervical volume measurement for the prediction of postterm induction of VBAC in Korea  
Y. Jo (Republic of Korea)
Intrapartum assessment of fetal head descent: A feasibility study using three dimensional transperineal ultrasound
C. Macpherson (UK)

Abstract number
OP23.06

Three-dimensional ultrasound in the second stage of labour
T. Ghi (Italy)
The effects of intrapartum continuous epidural analgesia on uterine artery flow velocity waveforms
A. Lucena (Spain)
Borderline amniotic fluid index and adverse perinatal outcome
A. Jamal (Islamic Republic of Iran)

Determination of placental weight using two-dimensional sonography and volumetric mathematic modeling
H. Azpurua-Pardi (USA)

Placental measurements in the first trimester and adiponectin, leptin and insulin plasma concentrations
D. Borowski (Poland)

Placental morphology and fetal renal function; Is there a relationship?
M. Thompson (UK)

Performing an in utero placental pathology examination at 11–14 weeks gestation
N. Schwartz (USA)

Role of clinical and ultrasound findings for the diagnosis of retained products of pregnancy
A. Jamal (Islamic Republic of Iran)
The role of ultrasound imaging at early pregnancy in prediction of placenta previa
A. Kim (Republic of Korea)

OP24: Pelvic floor
Rm 205–207; viewing Rm 204

Chairs: A. Steensma (Netherlands); Z. Alfirevic (UK)

A prolonged second stage of labor may be a predisposing factor for levator ani injury in women with 3rd and 4th degree perineal tears
V. Eisenberg (Israel)
Pelvic floor muscles anatomy and function in asymptomatic parous women
D. Pretorius (USA)
3rd and 4th degree perineal tears, levator ani avulsion defects, and fecal incontinence: Is there a synergistic effect?
V. Eisenberg (Israel)
How best to evaluate tomographic pelvic floor ultrasound findings?
H. Dietz (Australia)

Morphological abnormalities of the pubovisceral muscle in patients with stress urinary incontinence – the use of 3D/4D ultrasound
L. Krofta (Czech Republic)

Comparison of subjective patients’ experience; evacuation proctography or dynamic 3D transperineal ultrasound for diagnosing posterior compartment prolapse?
A. Steensma (Netherlands)
Pelvic floor anatomy in adult females within the Bladder-Exstrophy-Episadias-Complex (BEEC)
A. Ebert (Germany)

How much does the puborectalis muscle have to stretch in childbirth?
H. Dietz (Australia)

In search of indicators of levator ani tissue elasticity: What have we learnt so far?
V. Eisenberg (Israel)

Assessment of the normal anal sphincter complex with transperineal ultrasound
A. Steensma (Netherlands)
Can levator avulsion be diagnosed by 2D translabial ultrasound?
H. Dietz (Australia)

Anal sphincter characteristics on 3D transperineal ultrasound in patients with pelvic floor problems
V. Eisenberg (Israel)

Is dynamic investigation of the anal sphincter complex useful for assessment of the anal sphincter complex?
A. Steensma (Netherlands)
The effect of avulsion on levator hiatal biometry and function
H. Dietz (Australia)

Posters (view only)
Posters are available for viewing all day

P42: Fetal interventions

Alternative technique for prenatal correction of myelomeningocele in cases of myeloschisis
R. Oliveira (Brazil)

In utero pericardiocentesis in the management of right ventricular cardiac diverticulum
B. De Keersmaecker (Belgium)

Exhibition hall: A
Prenatal Diagnosis of a congenital cervical teratoma: EXIT procedure(ex utero intrapartum treatment)  
M. Park (Republic of Korea)  
P42.03

Antenatal diagnosis and treatment of dyshormonogenetic fetal goiter  
K. Mayor-Lynn (USA)  
P42.04

Isolated fetal hydrothorax treated by a single thoracocentesis: A case report  
C. Hsieh (Taiwan)  
P42.05

Successful postnatal management of a fetus with pulmonary sequestration and severe fetal hydrops at 32 weeks  
M. Yamamoto (Chile)  
P42.06

A novel new treatment for iatrogenic twin anemia-polycythemia sequence (TAPS) after laser therapy  
K. Moise (USA)  
P42.07

Laser therapy for severe TTTS: Comparison between triplets and twins  
A. Diemert (Germany)  
P42.08

Maternal amniotic fluid exchange in fetal gastroschisis – first announcement  
P. Nowak (Poland)  
P42.09

P43: Fetal MRI

Comparison of prenatal magnetic resonance imaging and ultrasonography for the diagnosis of fetal anomalies  
E. Seo (Republic of Korea)  
P43.01

Congenital diaphragmatic hernia: The role of MRI for calculation of lung head ratio (LHR) and perinatal prognosis  
G. Fernandes (Brazil)  
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L. Knoepp (USA)

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L. Nardozza (Brazil)
### Sponsors’ Activities

The following activities do not form part of the World Congress CME program; the World Congress and ISUOG are not responsible for the content of these sessions.

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<td>Standardization in 3D fetal cardiac scan. Made simple.</td>
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<td>H. Feltovich (USA)</td>
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<td>Volume ultrasound of the fetal brain: from the normal anatomy to clinical examples of abnormalities</td>
<td>Scan with the experts – volume imaging of the fetal face</td>
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<td>Scan with the experts – volume imaging of the heart</td>
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<td>2D/3D fetal scan in expert’s hands</td>
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Please see detailed exhibitor profiles on pages 56–65 for more information about the companies listed.
Advanced Health Education Center, Ltd. Stand no: 1
8502 Tybor Dr., Houston, TX USA 77074
Tel:  +1 713 772 0157
Fax:  +1 713 772 0155
Email:  cohnmacht@aheconline.com
Website:  www.aheconline.com
Contact:  Catherine Ohnmacht
ADVANCED HEALTH EDUCATION CENTER, Ltd. (AHEC) is the premier provider of ultrasound continuing education to medical professionals. AHEC is on the cutting edge and uniquely focused on providing clients with courses that cross train and sharpen new and existing skills. Our upcoming courses include 5-Day OB/GYN Ultrasound Sept 22–26 and Dec. 8–12 and 2-Day Gynecological Ultrasound on Oct 31–Nov 1. AHEC also provides consulting services, project management, training/applications in vascular and other specialty ultrasound.

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Tel:  +1 203 269 5088
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Email:  inquiry@aloka.com
Website:  www.aloka.com
As a recognized leader in ultrasound innovation, ALOKA is known for unparalleled image quality, superior system reliability and the intuitive use of cutting edge technology. From our powerful follicle measurement packages to our 180 degree endovaginal transducers, ALOKA has the right solution for every Reproductive Medicine practitioner. ALOKA Pioneered Diagnostic Ultrasound, Come See What We Can Do For You.

American Institute of Ultrasound in Medicine Stand no: 128
Tel:  +1 301498 4100
Fax:  +1 301 498 4450
Email:  Jhilderbrand@aium.org
Website:  www.aium.org
Contact:  Jennifer Hilderbrand
The American Institute of Ultrasound in Medicine (AIUM) is a multidisciplinary association dedicated to advancing the safe and effective use of ultrasound in medicine through professional and public education, research, development of guidelines, and accreditation. For more information or to become a member, please visit www.aium.org.

AngioDynamics Stand no: 116
603 Queensbury Avenue, Queensbury,
New York 12804, USA
Tel:  +1 518 798 1215 ext. 1145
Fax:  +1 518 792 5626
Email:  kostrander@angiodynamics.com
Website:  www.angiodynamics.com
Contact:  Kevin Ostrander
AngioDynamics (www.angiodynamics.com) is a leading provider of innovative medical devices used by interventional radiologists, surgeons, and other physicians for the minimally invasive treatment of cancer and peripheral vascular disease. AngioDynamics’ diverse product line includes radiofrequency ablation systems, vascular access products, angiographic products and accessories, dialysis products, angioplasty products, drainage products, thrombolytic products, embolization products and venous products.

AS Software, Inc. Stand no: 412
Tel:  +1 201 541 1900
Fax:  +1 201 541 1199
Email:  info@as-software.com
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Contact:  Ari Sandman
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Contact:  Roland Denk
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No. 8 Xiang Nan Road, Shuo Fang, New District, Wuxi, China  
Tel: + 86 510 8531 0937  
Fax: + 86 510 8531 0726  
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Website: www.chison.com.cn  
Contact: Moyra Mo

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CIVCO Medical Solutions  
102 First Street South, Kalona, IA 52247, USA  
Tel: + 1 319 656 447  
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ContextVision AB  
Kungsgatan 50, 111 35 Stockholm, Sweden  
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Fax: + 46 8 750 5494  
Email: info@contextvision.se  
Website: www.contextvision.com  
Contact: Lilian Rivera

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Cook Medical  
P.O. Box 489, Bloomington, IN 47402, USA  
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Fax: + 1 812 339 3704  
Email: info@cookmedical.com  
Website: www.cookmedical.com  
Contact: Justin Renfrow

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Fax: + 1 713 529 7999  
Email: info@digison.net  
Website: www.digison.net  
Contact: James Devlin

Digisonics has set the standard of OB/GYN software systems for over 20 years – with the first review station, the first fully functional web-based system and fully integrated 3D/4D analysis package. OB-View solutions bring together high-performance image analysis systems, professional reporting choices, an integrated clinical database and a powerful PACS image archive all into one system. OB-View solutions maximize efficiency by integrating and automating the entire complex workflow, resulting in maximum productivity.

Elsevier  
927 Leverenz Rd, Naperville, Illinois 60565, USA  
Tel: + 1 630 420 0756  
Fax: + 1 630-523-7712  
Email: d_zwiers@elsevier.com  
Website: www.us.elsevierhealth.com/rep/dzwiers  
Contact: Dave Zwiers

Elsevier will have on display all of their best sellers in Ultrasound. Callen: Ultrasonography in Ob/Gyne, Ahuja: Diagnostic Imaging in Ultrasound, Benacerraf: Ultrasound of Fetal Syndromes.
Exhibitor profiles

**Esaote S.p.A**

Stand no: 115

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 Europe-based Ultrasound Manufacturer is internationally recognized as one of the “Top Ten” world’s leading diagnostic imaging companies. Esaote is dedicated to constantly developing significant new diagnostic capabilities for the modern women’s healthcare professional.

Come to the Esaote stand (115) to see our MyLab25 Gold, which provides 4-D imaging on top of portability and many others solutions to meet your expectations.

**Fetal Medicine Foundation USA**

Stand no: 110

3751 Red Oak Court, Beavercreek Ohio 45430, USA

Tel: + 1 937 208 2084

Fax: + 1 937 208 4268

Email: tstuerman@mvh.org

Website: www.fetalmedicineusa.com

Contact: Terry Stuerman, Executive Director

The FMF USA is a non-profit charitable organization & works in collaboration with the original FMF in London. The FMF is the world leader in providing training and accreditation in First Trimester Screening. We are dedicated to elevating the quality of OB ultrasound through education, quality assurance & research. Visit our international website at fetalmedicine.com or the U.S. website at fetalmedicineusa.com.

**GE Healthcare**

Stand no: 101

9900 Innovation Drive, Wauwatosa, WI 53226, USA

Tel: +1 888 202 5528

Fax: +1 888 399 6720

Email: SpecialtyUltrasoundMail@ge.com

Website: www.gehealthcare.com/ultrasound

GE Healthcare provides transformational medical technologies that will shape a new age of patient care. GE Healthcare offers a broad range of services to improve productivity in healthcare and enable healthcare providers to better diagnose, treat and manage patients. For more information about GE Healthcare, visit www.gehealthcare.com

**GeneCare Medical Genetics Center**

Stand no: 114

201 Sage Road, Suite 300, Chapel Hill, NC 27514, USA

Tel: + 1 919 942 0021

Fax: + 1 919 967 9519

Email: gstuuddard68@cs.com

Website: www.geneccare.com

Contact: Greg Studdard

GeneCare is an International, Clinical and Research Center Providing Comprehensive Genetic Services, Including: Chromosomes; DNA; FISH; Biochemical Analyses, Including First Trimester Screening with Nuchal Translucency (NT) Nasal Bone/Tricuspid Flow/Ductus Venosis/FMF Angle; Modified Sequential Screening; Second Trimester Multimarker Screening; Genetic Counseling and Consults from ABMG Certified Geneticists. We Facilitate Nuchal Translucency, Nasal Bone and Tricuspid Flow Training Courses as well as Educational Support.

**InSightec**

Stand no: 104

5 Nahum Heth Street, Tirat Carmel, Israel

Tel: +972 4 813 1313

Fax: +972 4 813 1322

Email: info@insightec.com

Website: www.insightec.com

InSightec developed the ExAblate 2000 system which uses MR guided focused Ultrasound Surgery (MRgFUS), integrating high intensity focused ultrasound energy and Magnetic Resonance Imaging (MRI) to provide a revolutionary, non-invasive, outpatient treatment modality for uterine fibroids. Over 4000 patients have been treated with significant symptom relief. This alternative procedure reduces recovery time from weeks to days so patients can get back to their lives sooner.

**ISUOG**

ISUOG lounge

Unit 4 Blythe Mews, Blythe Road, London W14 0HW, UK

Tel: +44 (0) 20 7471 9955

Fax: +44 (0) 20 7471 9959

Email: info@isuog.org

Website: www.isuog.org

Contact: Catherine Armstrong

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 and now has more than 3,200 members in 96 countries worldwide. All full paying delegates in Chicago will automatically be registered as members of ISUOG for 2009 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 2009 World Congress in Hamburg, Germany (13–17 September 2009). See our appointments schedule on page 5 and visit us at the ISUOG lounge to find out more!
Voluson Compact Ultrasound
Extraordinary vision. Anywhere.

Voluson® compact ultrasound systems meet the needs of your Women’s Healthcare clinical environment with leading edge 2D and 3D/4D technology packaged inside a portable system.

Efficient automation tools, flexible image analysis capabilities and the image quality of a console sized system - together offer you extraordinary image performance with the latest technology. Tailored to your clinical needs, Voluson compact systems help you provide advanced care and early intervention to your patients. Ultrasound Re-imagined.

Please visit GE Healthcare in booth #101.
**Exhibitor profiles**

**Jaypee Brothers Medical Publishers (P) Ltd.**
Stand no: 122
B-3 EMCA House, 23/23B Ansari Road, Daryaganj New Delhi – 110 002, India
Tel: + 91 11 23272143
Fax: + 91 11 23276490
Email: jaypee@jaypeebrothers.com
Website: www.jaypeebrothers.com
Contact: Mr. J. P. Vij

Jaypee Brothers is a medical publisher who publishes maximum obs & gyne. books. So far they had published about 175 titles exclusively in Obs & Gyne. They are a very high quality book publisher and the prices are within the reach of the doctors and that is the secret of the popularity of Jaypee’s Obs Gyne. books in the world.

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**Lippincott Williams Wilkins**
Stand no: 508
1578 Fordham St., Bolingbrook, IL 60490, USA
Tel: + 1 630 776 7108
Fax: + 1 630 771 0941
Email: Scott.Stewart@WoltersKluwer.com
Website: www.LWW.com
Contact: Scott Stewart

Lippincott Williams Wilkins will have on display the latest publications in the field of Ob/Gyn Ultrasound.

---

**MEDISON**

Medison Co., Ltd.
Stand no: 301
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-three 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.

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**Simplicity is imaging every body.**

**Philips iU22 ultrasound system** is your solution for imaging technically difficult patients. A new transducer, advanced ergonomics and new algorithms combined with our proven technologies give you unprecedented access and clarity of details for all of your patients. Focusing on your patients just makes sense.

www.philips.com/pushingtheboundaries
A Great Step Forward in 3D/4D Ultrasound

The new ACCUVIX V20 offers unprecedented 3D/4D performance through a simplified intuitive interface to ensure efficient diagnostic interaction. The intuitive nature of the ACCUVIX V20 continues with the introduction of the "3D Orientation Cube" designed to assist both the novice as well as experienced 3D user providing confident orientation within the volume data set. The user environment of the ACCUVIX V20 provides a variety of advanced interactive technologies including 3D XI™, XI VOCAL™, OVIX™ (Oblique View eXtended) resulting in more efficient use of time and greater diagnostic confidence.

ACCUVIX V20 intuitive design delivers peak 3D/4D performance.

Highlights of the MEDISON program at ISUOG 2008

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<tr>
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<tbody>
<tr>
<td>Venue: Grand Ballroom</td>
<td>Venue: Grand Ballroom</td>
<td>Venue: Room 201</td>
</tr>
<tr>
<td>Aug 25 12:05-13:45</td>
<td>Aug 26 08:45-10:00  The Second Trimester Scan</td>
<td>Visit MEDISON in Room 201 to experience new technology and the latest MEDISON products.</td>
</tr>
<tr>
<td></td>
<td>Aug 27 11:15-12:30 Multiple Pregnancy</td>
<td>Visit us at MEDISON Booth #301 to get detailed information on each session.</td>
</tr>
<tr>
<td></td>
<td>14:00-16:00 Ultrasound &amp; Obstetric Management</td>
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</tbody>
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Platinum Sponsor
ISUOG 2008

Visit us at MEDISON booth number 301

18th World Congress on Ultrasound in Obstetrics and Gynecology
24-28 August 2008, Chicago, USA

www.medison.com | marketing@medison.com
**PerkinElmer Life and Analytical Sciences**
Stand no: 512

Tel: + 800-762-4000  
Fax: + 203-944-4914  
Email: productinfo@perkinelmer.com  
Website: www.perkinelmer.com  
Contact: Andrea Feher

Through its subsidiary, NTD Laboratories, PerkinElmer is a premier provider of 1st trimester prenatal screening for trisomies and ONTDs in the USA. Outside the USA, PerkinElmer works directly with health care providers, supplying platforms for trisomy screening in the 1st or 2nd trimester.

PerkinElmer is also investigating new 1st trimester markers for adverse pregnancy outcomes such as preeclampsia, preterm birth and IUGR.

PerkinElmer’s ViaCord® product comprises blood banking services for preserving a baby’s umbilical cord blood for possible future use in treating life-threatening diseases.

**Philips Medical Systems**
Stand no: 411

22100 Bothell Everett HYW, Bothell, WA 98021, USA  
Tel: +1 800 982 2011 ext. 7976  
Fax: +1 425 487 7866  
Email: amy.lex@philips.com  
Website: www.philips.com  
Contact: Amy M. Lex

Philips has been providing ultrasound solutions for decades. We continue our commitment to developing products that combine both advanced technology and ease of use, and employ cutting-edge clinical capabilities to address the needs of your patients from adolescence and reproductive years through mature adulthood.

Our expanded family of HD systems and the flagship iU22, as well as leading-edge support tools are compelling reasons to partner with Philips Ultrasound.

**R4, LLC**
Stand no: 124

6802 West Snowville Road, Brecksville, OH 44141, USA  
Tel: +1 440 546 4272  
Fax: +1 440 546 4282  
Email: ccaglione@r4inc.com  
Website: www.r4inc.com  
Contact: Mike Mahoney

R4 ACERT SUITE™ is a complete suite of interactive products, from an OB/GYN Electronic Medical Record (EMR) to an Outcomes Analysis module. This suite integrates a complete OB/GYN Medical Record through the OB/GYN or MFM office to the nursery/neonatal care center and beyond. R4 networking and integration expertise provides connectivity to enterprise solutions for all your OB/GYN data and images. We continue to lead the industry in ultrasound reporting technology and beyond.

**Shenzhen Mindray Bio-Medical Electronics Co., Ltd.**
Stand no: 416

Electronics Co., Ltd.  
Keji 12th Road South, High-tech Industrial Park, Shenzhen 518057, P. R. China  
Tel: + 86 755 8614 0504  
Fax: + 86 755 2658 2500  
Email: amada.dong@mindray.com  
Website: www.mindray.com  
Contact: Amada Dong

As one of the largest companies of patient monitoring in the world, Mindray has been growing rapidly during the past decade and become a well-reputed multi-national company listed on the New York Stock Exchange. Their worldwide clients are sharing the good quality and reputation by using or selling their products.

**Siemens AG Medical Solutions**
Stand no: 201

Siemens Healthcare is one of the world’s largest suppliers to the healthcare industry. The company is a renowned medical solutions provider with core competence and innovative strength in diagnostic and therapeutic technologies as well as in knowledge engineering, including information technology and system integration. With its laboratory diagnostics acquisitions, Siemens Healthcare will be the first fully integrated diagnostics company.
Mastering acoustics. Expanding clinical insight.

For today’s challenging imaging cases, you need powerful tools and the most advanced technologies. The ACUSON S2000™ ultrasound system isn’t just a step up, it’s a giant leap forward. The first in our new S Class product family, the ACUSON S2000 system leverages Siemens’ acoustic mastery to expand ultrasound beyond its traditional role. With unprecedented image quality, knowledge-based workflow efficiencies and highly tuned ergonomics, the ACUSON S2000 system delivers the broadest range of innovative clinical applications possible. The future of ultrasound is now. www.siemens.com/ultrasound

Answers for life.
Exhibitor profiles

SMFM / NTQR
Stand no: 130
409 12th St., SW, Washington, DC 20024, USA
Tel: +1 202 863 2476
Fax: +1 202 554 1132
Email: smfm@smfm.org
Website: www.smfm.org ; www.ntqr.org
The Society for Maternal-Fetal Medicine is a not-for-profit organization of over 2,000 members that are dedicated to improving perinatal care. The SMFM endorses the Nuchal Translucency Quality Review Program which is a consensus national NT education and quality review program which is open to all providers of NT measurements, regardless of specialty and is open to both physician sonologists as well as non-physician sonographers.

Sonultra
Stand no: 213
6345 Balboa Blvd, Bldg III, Suite 360, Encino, CA 91316, USA
Tel: +1 310 557 1750
Fax: +1 310 861 9054
Email: dparker@sonultra.com
Website: www.sonultra.com
Contact: Don Parker
Sonultra streamlines your workflow while helping to manage your bottom line! For more than 20 years Sonultra Corporation has equipped 2000+ MFM, OB/GYN, and radiology specialists with productivity and research enhancing OB/GYN reporting and DICOM image management tools. Sonultra offers scaleable PC-based reporting and image management solutions that easily integrate with your existing PACS/HIS/RIS/EMR. Improve your productivity, quality assurance, billing, report distribution, paper management and data mining. Visit us on stand 213 for our latest solutions.

Sound Ergonomics
Stand no: 120
6830 NE Bothell Way #C-236, Kenmore, WA 98028, USA
Tel: +1 425 489 3839
Fax: +1 425 489 9030
Email: ccoverlin@sounndergonomics.com
Website: www.sounndergonomics.com
Contact: Carolyn Coffin
Sound Ergonomics, LLC, founded by sonographers, provides consulting services and ergonomic products for the prevention of occupational musculoskeletal disorders in allied health personnel. Services include educational programs, workshops, clinical site evaluations, and exam room and computer workstation set-up consultation. Products include support cushions, cable support area bands & wrist supports, monitor mounts, keyboard trays, and ergonomic tables and seating.

Texas Children's Fetal Center
Stand no: 313
6621 Fannin Street, CCC650, Houston, TX 77030, USA
Tel: +1 877 FetalRx
Fax: +1 832 825 3141
Email: kymoise@texaschildrens.org
Website: www.fetal.texaschildrens.org
Contact: Karen Moise
Texas Children's Fetal Center is a national leader in the diagnosis and treatment of abnormalities in unborn and newborn infants and one of only four comprehensive centers in the United States, the only in the Southwest to provide the full spectrum of fetal therapies. Our physicians are recognised leaders in fetal medicine and fetal and neonatal surgery. At Texas Children's Fetal Center, our team is committed to the best possible outcome for each family.

Toshiba America Medical Systems, Inc.
Stand no: 401
2441 Michelle Drive, Tustin, CA 92780, USA
Tel: +1 714-730-5000
Fax: +1 (0)79 - 368 9444
Email: dkemp@tams.com
Website: www.medical.toshiba.com
Contact: Debbi Kemp
An innovator in medical imaging technology, Toshiba America Medical Systems markets, sells, distributes and services diagnostic imaging systems throughout the U.S. Toshiba is committed to providing customers with the patient-focused technology and optimum system performance needed to succeed in today’s healthcare marketplace.

Ultrasonix Medical Corporation
Stand no: 118
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
Contact: Danielle McCallum
Ultrasonix Medical Corporation specializes in diagnostic ultrasound and is dedicated to providing its customers with superior ultrasound solutions and support for better patient care. Working in partnership with a growing global network, Ultrasonix is constantly expanding its leading edge technology available around the world.
ZONARE Medical Systems, Inc.
420 North Bernardo Avenue,
Mountain View,
CA 94043-1839, USA
Tel: + 49 650 230 2800
Fax: + 49 650 230 2828
Email: info@zonare.de
Website: www.zonare.com
Contact: Lars Shaw, Vice President, Marketing

Zone Sonography technology, ZONARE’s unique patented approach to ultrasound imaging, is focused on bringing premium image quality and performance to clinical settings, leading to advanced diagnostic capabilities, greater portability, and cost-effective operation, upgrades and service. The z.one ultra Convertible Ultrasound System, incorporating Zone Sonography™ technology, converts, at the touch of a button, from a small and light fullFeatured cart into a premium compact ultrasound system, optimizing its versatility in a variety of clinical settings.
SOCIAL PROGRAM

Social Program

Social functions
Please book tickets for any of the functions below at the registration desk.

Opening Ceremony
All delegates and accompanying persons are welcome to join the opening ceremony at 16:30 in the Grand Ballroom.
Who wants to be an Ultrasound Millionnaire will be followed by a special presentation by Dr Skip Grana entitled ‘Perceived for Birds’. The South Shore Drill Team will conclude the ceremony with their unique style of drills.

Welcome reception
Sponsored by TOSHIBA

This event is free to all fully registered delegates and registered accompanying persons.
18:45–21:30, Sunday 24 August 2008
Exhibition Hall, Navy Pier
Day delegates and additional tickets: $50

Congress party
19:30, Tuesday 26 August 2008
Rooftop, Navy Pier
Cost per person: $75
Dress: Smart casual
Delegates will be able to watch the sun go down over Lake Michigan with unlimited food and drink, and dance the night away.
Early comers will enjoy a welcome drink courtesy of the hosts of our forthcoming International Scientific Meeting in Cancun, Mexico.
Please note you will not be allowed entry without your party ticket; please remember to bring it with you.
At the time of print, a few tickets remain available and will be allocated on a first come, first served basis. Please see the registration desk.

Accompanying person’s program
The accompanying persons program includes:
- Welcome and city introduction by the Chicago Tourism Bureau: Sunday 24 August at 19:00, Rm 201, Navy Pier.
- City guidebook
- Chicago hop-on hop-off bus tour: enjoy a two hour, fully narrated tour that covers 13 magnificent miles of Chicago’s downtown and the Loop.
- 3 day Go Chicago card: includes admission to over 25 of Chicago’s best attractions, activities, and tours. Do as much as you like each day by tailoring your own itinerary.
- Congress Welcome Reception (Sunday 24 August)
- Admission to the Congress exhibition areas
We hope you enjoy discovering Chicago!
Cost per person: $200
General information

Cash machines
Cash machines are located throughout Navy Pier.

Catering
Coffee and light lunches will be served in the exhibition area.

Certificates of attendance
Certificates of attendance will be available from the registration desk from Wednesday 27 August for all registered delegates who complete the questionnaire.

Congress contact details

Professional Conference Organiser

(Registration and social enquiries)
Congrex Sweden AB, Box 5078
SE-402 22, Göteborg
Sweden
Tel: +46 (0) 31 708 6000
Fax: +46 (0) 31 708 6025
Email: isuog2008@congrex.com

ISUOG Secretariat

(Scientific program, exhibition and sponsorship)
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Blythe Road, London W14 0HW
United Kingdom
Tel: +44 (0) 20 7471 9955
Fax: +44 (0) 20 7471 9959
Email: congress@isuog.org
Website: www.isuog.org

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All best endeavours will be made to present the program as printed. However the 18th World Congress on Ultrasound in Obstetrics and Gynecology and its agents reserve the right to alter or cancel without prior notice, any of the arrangements, timetables, plans or other items relating directly or indirectly to the Congress for any reason beyond its reasonable control. The 18th World Congress on Ultrasound in Obstetrics and Gynecology and its agents are not liable for any loss or inconvenience caused as a result of such alteration.

Duplications/Recordings
Photography, audio taping, video recording, digital taping or any other form of duplication is strictly prohibited in the session halls and poster areas, except with the express consent, IN ADVANCE, of ISUOG and the speakers involved.

First aid
Should you require assistance during the Congress hours, please call Venue Security on 312 595 5060 (or 5060 from a house phone) or contact the registration desk.

Future meetings
Literature regarding future meetings of interest to participants is displayed in the exhibition area.

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 who will manage it from that point forward. Please contact the Venue as soon as possible after the event if you wish to claim lost property.

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
- Board: Red
- Invited faculty: Blue
- Exhibitors: Yellow
- Accompanying persons: Green
- Staff: Deep red

Day delegates
- Saturday: Light blue
  *(pre-Congress Courses at Intercontinental Hotel, Michigan Ave)*
- Sunday: Light green
  *(pre-Congress Courses at Navy Pier)*
- Monday: Orange
- Tuesday: Purple
- Wednesday: Pink
- Thursday: Clear

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

Smoking policy
Smoking is not permitted in any closed building in America. Smoking is permitted 15 feet away from the outside of the Navy Pier.

Telephones
Coin-operated telephones are located throughout the Navy Pier.

Tours and sightseeing
Please visit the Gray Line desk in the registration area to book any sightseeing tours.

Yoga
Attendees of the ISUOG World Congress are invited to attend yoga classes designed to reverse the effects of tension and help restore a natural state of balance. All levels are welcome.

Venue: Valencia room, InterContinental
Times:
- Monday 25 August: 19:00–20:00
- Tuesday 26 August: 06:30–07:30
- Wednesday 27 August: 19:00–20:00
- Thursday 28 August: 06:30–07:30
## ISUOG business meetings

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<th>Date</th>
<th>Start</th>
<th>End time</th>
<th>Meeting time</th>
<th>Room</th>
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<tbody>
<tr>
<td>Sunday 24 August</td>
<td>15:30</td>
<td>16:00</td>
<td>Annual General Meeting (ALL DELEGATES)</td>
<td>Navy Pier Grand Ballroom</td>
</tr>
<tr>
<td>Sunday 24 August</td>
<td>18:45</td>
<td>19:15</td>
<td>Session Chairs’ Briefing</td>
<td>Navy Pier Room 202</td>
</tr>
<tr>
<td>Monday 25 August</td>
<td>10:15</td>
<td>10:45</td>
<td>Scientific Committee</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Monday 25 August</td>
<td>10:45</td>
<td>11:15</td>
<td>Hamburg Local Organising Committee</td>
<td>Navy Pier Room 328</td>
</tr>
<tr>
<td>Monday 25 August</td>
<td>12:30</td>
<td>14:30</td>
<td>Meeting Planning Committee</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Monday 25 August</td>
<td>16:30</td>
<td>18:00</td>
<td>Education Committee</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Tuesday 26 August</td>
<td>9:00</td>
<td>10:30</td>
<td>3D Focus Group</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Tuesday 26 August</td>
<td>12:30</td>
<td>14:00</td>
<td>Editorial Board</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Tuesday 26 August</td>
<td>14:00</td>
<td>16:00</td>
<td>Editorial Board Workshop</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Tuesday 26 August</td>
<td>16:30</td>
<td>18:00</td>
<td>Perinatal Doppler Focus Group</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Wednesday 27 August</td>
<td>10:15</td>
<td>11:15</td>
<td>Web Editorial Board</td>
<td>Navy Pier Room 328</td>
</tr>
<tr>
<td>Wednesday 27 August</td>
<td>12:30</td>
<td>14:00</td>
<td>Scientific Committee</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Wednesday 27 August</td>
<td>12:30</td>
<td>13:30</td>
<td>Clinical Standards Committee</td>
<td>Navy Pier Room 322</td>
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<tr>
<td>Wednesday 27 August</td>
<td>13:30</td>
<td>14:30</td>
<td>Prenatal Screening Task Force</td>
<td>Navy Pier Room 322</td>
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<tr>
<td>Wednesday 27 August</td>
<td>15:00</td>
<td>16:00</td>
<td>Fetal MRI Focus Group</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Wednesday 27 August</td>
<td>16:30</td>
<td>18:00</td>
<td>Exhibitors’ Closing Meeting</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Thursday 28 August</td>
<td>10:00</td>
<td>11:00</td>
<td>ISUOG Board (supplementary)</td>
<td>Navy Pier Room 328</td>
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<tr>
<td>Thursday 28 August</td>
<td>12:00</td>
<td>13:00</td>
<td>Safety Committee</td>
<td>Navy Pier Room 328</td>
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Critical dates

January 2009  Call for papers/registration opens
13 March 2009 Exhibition/sponsorship discount deadline
31 March 2009 Abstract submission and reduced rate registration deadline
13 July 2009 Early bird registration rate deadline
13 September 2009 Onsite registration opens

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.

Organised by: The International Society of Ultrasound in Obstetrics and Gynecology
www.isuog.org

Congress Secretariat
ISUOG, CCL, 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
ISUOG would like to thank the following industry partners for their support of the 18th World Congress:

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<th>Company</th>
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<td>Diamond</td>
<td>GE Healthcare</td>
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<td>Platinum</td>
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<td>Gold</td>
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<td>Silver</td>
<td>TOSHIBA</td>
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<tr>
<td>Bronze</td>
<td>Texas Children’s Fetal Center</td>
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18th World Congress on Ultrasound in Obstetrics and Gynecology