Final Program

Up to 43.0 AMA PRA Category 1 credits™ available
Equivalent EACCME credits also available
NB: ISUOG meeting rooms are located on the Mezzanine level and can be accessed from the Congress levels via the elevator.
Welcome message

On behalf of the ISUOG Board and Scientific Committee, I am proud and delighted to welcome you to Los Angeles for our 21st World Congress on Ultrasound in Obstetrics and Gynecology. This is the first time that our Congress has visited the West Coast of the United States, and you can be sure that we intend to make your visit to LA and experiences here at the Congress memorable and valuable both scientifically and socially.

Our committees have spent considerable time reviewing and selecting the scientific content of the Congress, from over 1000 submitted abstracts. We feel confident that we have chosen the very best presentations in current research for our program. I am also very pleased to announce that we have invited faculty of over 100 world-renowned experts who will be speaking on their own current studies and offering first class insights into their work and specialist topics. We will be starting each day with a choice of ‘meet the professor’ slots, where you can join members of our expert faculty for an informal breakfast and presentations on particular specialty topics. Following these, there is also a daily ‘State of the Art’ lecture, a plenary opening to the main program, with talks from world authorities in their particular field.

In the context of the meeting as a World Congress, but also a showcase of local research, we have tried to create a balance between local speakers and faculty and also world-experts (although in many cases, this is one and the same thing!). This local flavour is also strongly represented in our social program, where we are pleased to bring The Scatteredones, a local UCLA singing group, to our reception on Sunday event, and also in our Congress party at the iconic Paramount Studios where all guests will experience some Hollywood glamour for themselves.

Thank you to all those who are participating in what we are sure will be an extremely memorable Congress and for your ongoing support of ISUOG. Welcome to Los Angeles!

Larry Platt
Congress Chair

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Registration opening hours

Saturday 17 September 2011 07:00–17:00
Sunday 18 September 2011 07:00–18:30
Monday 19 September 2011 07:00–18:15
Tuesday 20 September 2011 07:00–17:30
Wednesday 21 September 2011 07:00–18:15
Thursday 22 September 2011 07:15–14:00

The registration area is located in the California lounge, on the California level of the hotel.

Exhibition opening hours

Sunday 18 September 2011 16:00–16:50
Monday 19 September 2011 10:00–17:00
Tuesday 20 September 2011 10:00–17:00
Wednesday 21 September 2011 10:00–17:00

The exhibition is located in the California showroom, on the California level of the hotel.

Speakers’ preparation room opening hours

Sunday 18 September 2011 07:30–17:00
Monday 19 September 2011 07:30–17:30
Tuesday 20 September 2011 07:30–17:30
Wednesday 21 September 2011 07:30–17:30
Thursday 22 September 2011 07:30–14:00

The speaker preparation room is located in the Bel Air room on the California level of the hotel. Speakers MUST check in their presentation at the speakers’ preparation room at least four hours prior to the commencement of the session in which they are due to present and preferably the day before their presentation. Please note there will be no laptop plug in facilities in the lecture halls. Please refer to page 8 for details.

Scientific program hours

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

Pre-congress courses only
Saturday 17 September 2011 08:00–17:00
Sunday 18 September 2011 08:00–13:00

Main plenary program
Sunday 18 September 2011 14:00–17:40
(followed by a performance from The Scattertones and Welcome Reception)
Monday 19 September 2011 08:05–17:20
Tuesday 20 September 2011 08:05–17:20
Wednesday 21 September 2011 08:05–17:20
Thursday 22 September 2011 08:05–12:15

Short oral presentations will be presented in chaired discussion sessions daily from Monday to Thursday at the following times: 10:00–10:45 and 12:20–13:05

All short oral presentations and e-poster slides will be available for viewing at any time on our electronic poster pods located in the California Lounge.

ISUOG Annual General Meeting (AGM)
All fully paid delegates are ISUOG members for 2012. Join us for an update on activities and to find out more about membership.
Sunday 18 September 2011
15:50 Los Angeles Ballroom, Hyatt Regency Century Plaza Hotel

ISUOG Committee meetings
For details of scheduled ISUOG Committee meetings, please refer to page 94 of this brochure.

Opening session and Welcome reception

Sunday 18 September - Hyatt Regency Century Plaza
Complimentary to all registered delegates, accompanying persons and exhibitors, who are invited to attend the special program starting at 16:50 in the LA Ballroom, followed by drinks and canapés at the pool and patio, lobby level. Additional tickets can be purchased at the registration desk for $40 per person.

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

14:00 Welcome from ISUOG President, Ann Tabor (Denmark)
14:10 Stuart Campbell Lecture: We’ll soon do things differently: The impact of levator trauma on future clinical practice, H. Dietz (Australia)
14:30 Top abstract presentations
15:30 Maternal mortality: a global crisis - is there a role for ultrasound? A. Abuhamad (USA)
15:50 ISUOG Annual General Meeting
16:00 Tea and coffee break and exhibition opening*

16:50 Gold Medal introduction from Professor Stuart Campbell and Gold Medal lecture from Hugh Robinson (to be delivered via video link)
17:10 Special lecture: Assisted reproduction techniques and long term implications - what have we really created? A. DeCherney (USA)
17:40 Interval*

18:15 Welcome Reception: Hyatt Regency Century Plaza; pool and patio area, lobby level
20:30 Close

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

Closing & awards ceremony
Join us on Thursday 22 September at 12:15 for the Closing ceremony in the LA Ballroom, followed by a Danish beer and lunch in the California Lounge.
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: Malibu Room, Hyatt Regency Century Plaza, California level

Monday 19 September: 18:30-19:30
Tuesday 20 September: 07:30-08:30
Wednesday 21 September: 18:30-19:30
Thursday 22 September: 07:30-08:30

Accompanying person’s program

Cost per person: $250.00

The accompanying persons program includes:
- Congress Opening Session and Welcome Reception (Sunday 18 September)
- Admission to the Congress exhibition and catering areas throughout the Congress
- Lonely Planet city guidebook
- A choice of the following tours:

Option 1

Monday 19 September  Lights, camera LA! (full day tour)
The most comprehensive bus tour of the city packed full of sightseeing stops, including the Hollywood walk of fame, Hollywood Museum, Downtown area, Olevera Street, Entertainment District and Beverly Hills (includes lunch at the Hard Rock Café). You will be accompanied throughout with a guide to explain the all the sights and give you a full history of the development of modern LA.

Tuesday 20 September  Fossils to Fuels (½ day morning tour)
From prehistoric giants to classic automobiles, this tour will take you to the La Brea Tar Pits and Petersen Automotive Museum, as well as stops at LA’s famous Farmer’s Market and The Grove.

Wednesday 21 September  Los Angeles County Museum of Art (½ day morning tour)
Known locally as LACMA, this is the city’s most popular museum and a must on the destination list for visitors. The museum houses over 100,000 works, throughout five buildings, including masterpieces such as ‘Water Lilies’ by Monet.

OR

Option 2

Monday 19 September  Lights, camera LA! (full day tour)
See above for description.

Wednesday 20 September  Getty Center & Getty Villa (full day tour)
A fabulous opportunity to visit two of the most prestigious art and antiques collections in the world: one sent in a 110 acre complex on a hillside with panoramic views of LA, the other in a recreation of a first century Roman villa in Malibu (includes a packed lunch).

These tours can also be booked onsite, subject to availability. Please visit the Access tours desk for more information. Individual tours are priced at:

<table>
<thead>
<tr>
<th>Tour</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lights, camera, LA!</td>
<td>$100</td>
</tr>
<tr>
<td>Getty Centre and Getty Villa</td>
<td>$100</td>
</tr>
<tr>
<td>Fossils to Fuels</td>
<td>$60</td>
</tr>
<tr>
<td>Los Angeles County Museum of Art</td>
<td>$60</td>
</tr>
</tbody>
</table>

Please visit the registration desk with any queries. We hope you enjoy discovering Los Angeles! Information on transportation and buses can be found at the Concierge desk on the Lobby level of the hotel and you can also order taxis here.
Congress Party

Tuesday 20 September

Time: 19:30 – Midnight
Venue: Paramount Studios, Hollywood, Los Angeles
Cost per person: $100.00 (including full buffet dinner, DJ, movie screening and studio tour)
Transport:
- Coaches will leave from the main entrance of the Hyatt Regency Century Plaza Hotel between 18:45 and 19:15.
- Coaches return to the hotel from Paramount Studios between 22:00 and 23:59.
- Return tickets cost $25 and can be purchase from the Registration desk onsite, subject to availability.
- PLEASE NOTE: Coach tickets must be pre-booked. You will not be permitted on the coaches unless you have purchased a ticket in advance.
Dress: Evening attire

Our venue for the 2011 Congress Party is the world famous Paramount Studios. All delegates, accompanying persons and exhibitors are welcome to join us for an exclusive evening of Hollywood glamour, including studio tours, buffet dinner and dancing in front of the iconic Paramount gates and Hollywood sign, plus a private movie screening in the studio preview theatre.

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

An exclusive evening of Hollywood glamour.

Studio tours, buffet dinner and dancing in front of the iconic Paramount gates and Hollywood sign, plus a private movie screening in the studio preview theatre.

P.S. Additional party tickets can be purchased from the onsite registration (subject to availability).

ISUOG Delegates!

Congress Party

Paramount Studios

Hollywood, LA, USA

Tuesday 20 September

19:30
Orientation and presenter guidance

- Program orientation, OnDemand & E-posters
- Chairperson, speaker and poster presenter guidelines
- Invited speaker list and free communication presenter declarations
- Program at a glance
- Short oral presentations (OP) at a glance
- Electronic posters (P) at a glance
- ‘Meet the professor’ sessions at a glance

Accreditation and CME

Up to 43.0 AMA PRA Category 1 Credits™ available

31.5 AMA PRA Category 1 Credits™ are available for the Congress
10.5 AMA PRA Category 1 Credits™ are available for the Pre-Congress courses (for 1 plus 0.5 days)
1.0 AMA PRA Category 1 Credit™ is available for the electronic poster (P) viewing

ACCME accreditation (USA)

This CME activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the Joint Sponsorship of the Institute for Medical Studies (IMS) and The International Society of Ultrasound in Obstetrics and Gynecology (ISUOG). IMS is accredited by the ACCME to provide continuing medical education for physicians.

IMS designates this educational activity for a maximum of 43.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Sonographers may use credits earned at these activities for the purpose of maintaining their registry with the American Registry of Diagnostic Medical Sonographers (ARDMS). ARDMS accepts AMA PRA Category 1 Credits™. This program is not affiliated with or endorsed by ARDMS.

EACCME accreditation (Europe)

AMA PRA Category 1 Credits™ claimed by physicians attending live events certified organized in the United States for AMA PRA Credit can be, through the agreement on mutual recognition of credits between UEMS and AMA, considered as being equal to the European Continuous Medical Education Credits (ECMEC) granted by the UEMS.

One AMA PRA Category 1 Credit™ is equivalent to 1 hour of European EACCME Credit (ECMEC), therefore up to 43 ECMEC Credits are available. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

CME and attendance certificates

In order to receive your certificate of attendance for the congress, you must complete the CME evaluation form (found in your delegate bag) and return it to the registration desk.

Please make sure that you complete the form at the time of each session, in order to give us accurate feedback. Certificates will be available from Wednesday 21 September 2011.

US delegates claiming AMA PRA Category 1 Credits™ are required to sign in at the CME desk at registration.
Welcome! Full paying delegates at the 21st World Congress are online members of ISUOG for 2012 and benefit immediately from member only access to the Society’s website resources, including *Ultrasound in Obstetrics and Gynecology* (UOG).

**Your membership includes:**

- Online subscription to UOG
- Member only access to the Society’s official website and educational material
- Web lectures & webcasts from ISUOG courses and other events
- Access to **ISUOG OnDemand** (view all lectures from the 2010 & 2011 Congresses online)
- Regular e-newsletters
- ISUOG support of teaching programs
- ISUOG Book Club: 20% discount on Wiley-Blackwell books
- Reduced fees to ISUOG education courses, ISUOG Symposia & the 2012 World Congress in Copenhagen.

If you have any questions or would like to find out more about your ISUOG membership, please visit us at the **ISUOG lounge** in the California Showroom or send us an email: info@isuog.org
List of invited speakers

J. Aboulhosn (USA)  G. Condous (Australia)  R. Hershkovitz (Israel)  H. Muñoz (Chile)  R. Schild (Germany)
J. Abramowicz (USA)  J. Copel (USA)  C. Holschneider (USA)  S. Nelson (USA)  W. Sepulveda (Chile)
A. Abuhmad (USA)  E. Cosmi (Italy)  J. Hopkins (USA)  A. Ngú (Australia)  T. Shipp (USA)
Z. Alfiriev (UK)  R. Cruz-Martínez (Spain)  J. Hyett (Australia)  D. Nyberg (USA)  J. Shaywayer (USA)
F. Audibert (Canada)  A. DeCherney (USA)  P. Jeanty (Australia)  A. Odibo (USA)  L. Silver (USA)
K. Baba (Japan)  J. Deprest (Belgium)  A. Johnson (USA)  D. Paladini (Italy)  M. Skiansky (USA)
K. Barnhart (USA)  G. DeVore (USA)  J. Johnson (Canada)  A. Papageorgiou (UK)  J. Spitz (USA)
A. Baschat (USA)  H. Dietz (Australia)  K. Kagan (Germany)  A. Parsons (USA)  A. Tabor (Denmark)
M. Bebbington (USA)  S. Eik-Nes (Norway)  K. Kalache (Germany)  O. Petersen (Denmark)  R. Tepper (Israel)
B. Benacerraf (USA)  V. Eisenberg (Israel)  B. Karfan (USA)  M. Phelps (USA)  A. Testa (Italy)
C. Benson (USA)  E. Epstein (Sweden)  T. Kiserud (Norway)  G. Pili (Italy)  B. Thilaganathan (UK)
C. Bilardo (Netherlands)  J. Espinoza (USA)  D. Krakov (USA)  L. Platt (USA)  D. Timmerman (Belgium)
H. Blaas (Norway)  H. Felchtovich (USA)  S. Laffer-Narin (USA)  M. Porto (USA)  I. Timor-Tritsch (USA)
C. Bottomley (UK)  D. Fischerova (Czech Republic)  T. Lau (Hong Kong)  D. Prayer (Austria)  A. Toi (Canada)
T. Bourne (UK)  A. Fleischer (USA)  W. Lee (USA)  D. Pretorius (USA)  B. Tutschek (Switzerland)
K. Bradley (USA)  J. Fouron (Canada)  C. Lees (UK)  N. Raine-Fenning (UK)  L. Valentí (Sweden)
J. Deng  Study funded by Philips Healthcare (P23.04)
G. DeVore  Consultant for GE Ultrasonography (OP35.04)
A. Gagnon  The structured report company will be mentioned as an example but it will be made clear that any structured report is likely to provide the same data set
N. Exalto  Received royalties as a shareholder at Gynaecology BV Delft The Netherlands (OC14.05)
H. Felchtovich  Receive technical support from Siemens Ultrasound USA for a prototype ultrasound transducer (not commercially available for use in the human cervix) (OP10.02)
H. Fukunishi  Insightec, Israel has supported the clinical trial (P29.05)
J. Hyett  Past lecture honoraria from GE Healthcare and Samsung Medison
A. Khurana  Technical consultant with GE Healthcare (OP25.08)
J. J. Yoon  Involved with Medison Korea (P17.12)
B. E. Lee  Chief Medical Officer of Hall Medical (OC17.04)
L. Lee  Discussion of ultrason technology developed by GE Healthcare, Philips and Siemens
C. Lees  Past equipment loans from Siemens, Hitachi Aloka and GE. Past honoraria from Siemens and course support from Hitachi Aloka
G. Malinger  Relationship with GE Healthcare via participation in courses organized by GE in Latin America.
S. Mohr  Equipment grant provided by Philips (OP15.04)
E. Neale  Stradwin software used in this study developed by the engineering department at the University of Cambridge who co-author this paper (P33.01)
R. Oyama  Involved with GE Healthcare, Japan (P24.10)
D. Paladini  Past equipment loan from, and previous speaker for GE (OC13.04)
Y. Patilie  Officer at Trig Medical (OP22.08, P16.15)
M. Phelps  Will discuss products from Sofie Biosciences including a pre-clinical PET/CT, Genius and Radiosynthesizer, and products from Ellyx & EWD including an imaging probe, that is covered by an IND. Sofie, Biosciences; Stockholder & Board Member
G. Pili  Consultant for GE Healthcare and participation in the development of some ultrasound apparatuses (no fee). Past equipment loans from GE
L. Platt  Talk on ‘Tips for 3D Volumes’ will include discussion of 4D View GE and Q Lab Philips products. Consultant for GE, Philips and Samsung Medison and have in receipt of research support from GE. Member of Scientific advisory Board for Verinata Health and have received honoraria from them.
N. Raine-Fenning  Will speak about several GE products but only in the context which reflects clinical practice. Involved as a luminary for GE Healthcare; occasionally involved in the development of new products. Have received past lecture honoraria from GE Healthcare to cover travel and subsistence costs.
K-Y. Ryu  Work supported by the Cluster Research Fund of Hanyang University (HY-2009) (P12.15)
R. Sande  Transducers used in the study provided by GE Vingmed Ultrasound and energy output levels of the transducers assessed by the company (OC20.01)
T. Scholbach  Co-developer of PixelFlux-technique and developer of the PixelFlux software (OP36.07)
A. Sehnert  Employed by Artemis Health Inc (OC28.08)
W. Sepulveda  Consultant agreement with Samsung Medison
L. Shaffer  In the invited talks; The use of microarays in pregnancies with abnormal ultrasound findings and Molecular cytogenetic approaches for identifying chromosomal abnormalities in prenatal testing; data will be presented which has been generated using proprietary microarrays made by Roche NimbleGen. These microarrays are also commercially available from Roche NimbleGen. Data will also be presented using other arrays available from Illumina as well as from a new liquid array proprietary to my laboratory.
R. Tepper  Founder of the Medsim Company marketing Ultrasim - ultrasound simulator. Consultant of Samsung Company for innovation in the field of Ultrasound
B. Tuscheck  The following abstract may include discussion of Philips products (OP15.03). Philips have provided a restricted equipment loan; invited presentations, occasional consulting work in the past.
Chairperson, speaker and presenter guidelines

**Essential information**

If you are chairing, speaking in a session, presenting a short oral presentation (OP), or have an E-poster (P), 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 you have any questions, please address them to the staff in the speakers’ preparation room (Bel Air Room, California Level).

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

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

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

Please meet at the front of the session hall 15 minutes before the start of the session to introduce yourselves, and allow the chairperson to confirm the format for the session.

All presentations must be in English. Please ensure that you speak slowly and clearly throughout. This will assist audience members who do not have English as their first language.

Discussion time has been allocated to each session so please look at the program closely for details.

The program schedule is extremely tight, so all speakers must adhere to the time allocated to them. Should a speaker overrun, chairpersons are instructed to interrupt and request that the speaker stop. Please be considerate of other speakers if you are asked to conclude your talk and please do so promptly.

It is increasingly difficult to prevent individuals from recording sessions. All delegates have been requested not to do this, but ISUOG can take no responsibility for third party recordings. We request that speakers who specifically object to audio/video recording of their presentations state this before their lecture.

At the closing ceremony the scientific committee will announce the best presentations within subject categories, the Young Investigator prize winner and the Alfred Kratochvil award for best 3D presentation. Chairpersons are asked to assist in the selection process by scoring presentations.

**Chairpersons**

There will be a chairpersons’ briefing on Sunday 18 September at 13:00 in the Directors room (Mezzanine level) to confirm session formats and demonstrate the presentation management tool. The briefing will last no longer than 30 minutes and lunch will be served. Your role is crucial to our Congress success and we are grateful for your attendance.

It is your responsibility to ensure strict adherence to presentation times as listed in the program and to direct and moderate discussion. There will be a countdown system in place in the main session halls to assist you with this.

Should a speaker not arrive for his/her presentation, please fill in the additional time with discussion or, 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 silence all mobile devices. Please remind the audience that the recording of sessions is not permitted and to refrain from any flash photography during presentations. ISUOG will record all lectures and make them available online.

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 standard microphones within each hall for discussions. Delegates will need to wait behind the microphones to ask their questions. Please direct the audience at the start of the session as to how questions will be managed to ensure the best use of time.

**Invited and OC presentations**

All speakers must report to the speakers’ preparation room at least four (4) hours prior to the commencement of the session in which they are due to present and, preferably the day before. Speakers can then check their presentation with the audio-visual staff prior to the presentation being sent to the lecture hall.

Presentations from personal laptops are not permitted in the session halls or breakout sessions; all presentations must be checked in at the speaker preparation room.

If you are presenting an oral communication (OC) you should not present the background to your particular study or data set. This can be repetitive if several related studies are to be presented, and will be covered separately within the session if considered necessary. Time is short, so please keep your talk concise and focus only on your new data.

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

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

OP and P slides will be available for viewing as posters from Sunday 18 to Thursday 22 September 2011 on the E-poster viewing stations in the California Lounge. Authors can be contacted through this system, so please try and check your emails regularly in case you have been contacted by a participant who has questions.

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

Presenters may report to the speaker preparation room the day before their presentation to check their presentation or can check directly on the viewing stations in the California Lounge.

Presenters should arrive at the relevant session hall at least 10 minutes prior to the listed time.
Program orientation

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

Session types explained...

**Plenary sessions**
Plenary sessions include State of the Art lectures at 08:00 am from Monday to Thursday and invited talks and special lectures on Sunday 18 September.

**Scientific sessions**
Scientific sessions run in parallel rooms from Monday to Thursday. These sessions include invited talks, OC presentations and OP presentations. E-poster presentations make up part of the scientific program, but are not presented orally within sessions (see below)

- **Invited talks**
  ISUOG faculty members have been specially invited to speak on specific areas of their work and research and have been allocated time slots of between 10 and 20 minutes to present.

- **OC (oral communication)**
  Presented within 3 main parallel sessions, OC abstract authors are allocated 5 minutes for their presentation, plus 3 minutes for discussion.

- **OP (short oral presentation)**
  OPs are poster submissions considered suitable for short oral presentation within five parallel sessions.
  OP abstract authors are allocated 2 minutes to summarise their poster, followed by 2 minutes for discussion.
  OP poster slides can also be viewed (without audio) on the **E-poster viewing terminals** in the California Lounge.

- **P (electronic poster)**
  Abstracts accepted as view only posters are presented as single PowerPoint slides and are available for viewing throughout the congress on **E-poster viewing terminals** located in the California Lounge. Authors may be contacted for discussion through the integrated email facility.

**Our E-poster viewing terminals** in the California Lounge allow you to search in seconds for any poster (OP & P) at any time during the Congress, with thanks to an unrestricted educational grant from Philips.

- Search by author, subject, title or poster number to view any poster that may interest you.
- Contact authors directly to discuss their work, using our NEW integrated e-mail facility.

**NB:** All OC, OP & P presentations are supported by printed abstracts, which are listed by number and can be located in the abstract book.
All OC & OP presentations will be judged within their subject categories by the session chairpersons and the ISUOG Scientific Committee.

**Workshops**
This year we are repeating our popular educational workshops. These parallel sessions take place each afternoon from 16:00 – 17:20. They consist of between three and five didactic lectures on key special interest areas and in some cases live scan demonstrations where appropriate. Anyone can attend these sessions, but on a first come, first served basis.

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

‘Meet the professor’ sessions
These are educational lectures from leading experts in the field and are not part of the main delegate program. The aim is to provide state of the art updates in particular chosen subjects to a smaller audience in an informal session. An entry ticket is required which can be purchased at the registration desk (**$35 per session**). This covers breakfast or drinks and snacks. Spaces are strictly limited as these are intended to be small, more informal events.

**Awards**
The Young Investigator prize, Alfred Kratochwil award for the best 3D paper, and awards for the best presentations in each topic area will be announced at the closing session on Thursday 22 September and formally acknowledged in our journal, Ultrasound in Obstetrics & Gynecology.

**ISUOG OnDemand**

Don’t miss ISUOG OnDemand and the chance to view any presentation online!
OnDemand is an online multimedia platform, which allows members to watch presentations recorded at the World Congress in Los Angeles.
All presentations (OC and OP, invited talks and workshops) will be made available OnDemand, from the end of the day on which they are presented.
Access to this resource is free to all delegates, during the Congress, on the viewing terminals in the California Lounge, and to ISUOG members for the following year. Revisit your favourite lectures, or view missed sessions at your leisure.
Program at a glance

Saturday 16 September 2011

Westside

07:15-08:00  REGISTRATION
08:00-12:00  Pre-congress course: Fetal echocardiography: secrets of the trade
12:00-12:30  LUNCH
13:00-17:00  Pre-congress course: Fetal echocardiography: secrets of the trade

Sunday 17 September 2011

LA Ballroom Westside Olympic 1 Olympic 2

07:15-08:00  REGISTRATION
08:00-13:00  Pre-congress course: Doppler ‘how to’
08:00-13:00  Pre-congress course: Fetal neurosonography: CNS anomalies
13:00-14:00  LUNCH
14:00-15:50  Top Abstracts and special lectures
15:50-16:20  ISUOG AGM and Awards
16:00-16:50  Coffee break
16:50-17:40  Gold Medal lecture
17:45-18:15  Performance by: The Scattertones
18:15-20:30  Welcome reception

Monday 18 September 2011

LA Room Santa Monica Beverly Hills Westside Olympic 1 Olympic 2 Constellation 1 Constellation 2 Sherman Oaks

07:15-07:55  ‘Meet the professor’ sessions*
08:00-08:40  State of the art lecture
08:40-08:55  Anemia and fetal anomalies: first trimester I
08:40-08:55  Placental health and pre-eclampsia
10:00-10:45  OP02 OP04 OP05 OP06 OP03 OP01
10:30-11:00  COFFEE & E-POSTER VIEWING
11:00-12:15  Live scan
11:00-12:15  Risks and management of twin pregnancies
12:20-13:05  OP08 OP10 OP11 OP12 OP09 OP07
12:45-14:15  LUNCH & E-POSTER VIEWING (12:45-14:15)
& SATELLITES (13:10–14:10)
14:15-15:30  Prediction and prevention of preterm birth
15:30-16:00  COFFEE & E-POSTER VIEWING
16:00-17:20  Reproductive medicine Fetal therapy
17:30-18:10  ‘Meet the professor’ sessions*

Tuesday 19 September 2011

LA Room Santa Monica Beverly Hills Westside Olympic 1 Olympic 2 Constellation 1 Constellation 2 Sherman Oaks

07:15-07:55  ‘Meet the professor’ sessions*
08:00-08:40  State of the art lecture
08:40-08:55  New imaging technologies
08:40-08:55  Pelvic pain
10:00-10:45  OP13 OP16 OP17 OP18 OP14 OP15
10:30-11:00  COFFEE & E-POSTER VIEWING
11:00-12:15  Live scan
11:00-12:15  Borderline finding the heart
12:45-14:15  LUNCH & E-POSTER VIEWING (12:45-14:15)
& SATELLITES (13:10–14:10)
14:15-15:30  Outcomes in fetal growth restriction
15:30-16:00  COFFEE & E-POSTER VIEWING
16:00-17:20  Advanced methods in prenatal diagnosis
19:30-late  Congress party

* ‘Meet the professor’ sessions must be pre-booked and cost $35 per session.
Program at a glance

Wednesday 20 September 2011

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<th>Olympic 1</th>
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<td>08:00-08:40</td>
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<td>10:00-10:45</td>
<td>OP24</td>
<td>OP26</td>
<td>OP27</td>
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<td>12:20-13:05</td>
<td>OP32</td>
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<td>OP34</td>
<td>OP35</td>
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<td>17:30-18:10</td>
<td>Meet the professor' sessions*</td>
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Thursday 21 September 2011

<table>
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<td>10:00-10:45</td>
<td>OP34</td>
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<td>OP38</td>
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<td>OP40</td>
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<td>12:15-12:30</td>
<td>Closing plenary</td>
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Key:

- Electronic poster viewing
- Gynecology live scan
- Gynecology oral session
- Meet the professor’ sessions
- Obstetrics live scan
- Obstetrics oral session
- Plenary session
- Pre-congress course
- Sponsor session
- Short oral presentation session
- Workshop session

Floorplans:

Plaza level

California level

Floorplans:

Plaza level

California level

Please see full size plan inside front cover

* Meet the professor’ sessions must be pre-booked and cost $35 per session.
# Short oral presentations at a glance

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<tr>
<td>(10.00 - 10.45)</td>
<td>OP01 Screening for congenital heart disease</td>
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<td>OP02 Early pregnancy</td>
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<td>OP03 Advanced ultrasound and MRI evaluation of the CNS</td>
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<td>OP04 Aneuploidy and fetal anomalies: second trimester</td>
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<td>OP05 Predicting complications in twin pregnancy</td>
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<tr>
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<td>OP06 Prediction and diagnosis of placental disease</td>
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<td>(12.20 - 13.05)</td>
<td>OP07 Imaging the normal and abnormal heart</td>
<td>Constellation 2</td>
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<td>OP08 Abnormal uterine bleeding</td>
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<td>OP09 Pre-eclampsia and uterine artery Doppler</td>
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<td>OP10 Preterm labour and Caesarean section</td>
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<td>OP11 First trimester screening: quality assurance</td>
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<td>OP12 Fetal surveillance and third trimester imaging</td>
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<td><strong>Tuesday</strong></td>
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<tr>
<td>(10.00 - 10.45)</td>
<td>OP13 Gynecology case reports</td>
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<td>OP14 Outcome and postnatal prognosis of CNS defects</td>
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<td>OP15 New approaches to fetal cardiac imaging</td>
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<td>OP16 Maternal fetal Doppler</td>
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<td>OP17 Fetal therapy</td>
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<td>OP18 Aneuploidy and fetal anomalies: first trimester I</td>
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<tr>
<td>(12.20 - 13.05)</td>
<td>OP19 Reproductive medicine</td>
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<td>OP20 Outcomes in fetal growth restriction</td>
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<td>OP21 Developments in the first trimester scan</td>
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<td>OP22 Labour at term</td>
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<td></td>
<td>OP23 New imaging technologies</td>
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<td><strong>Wednesday</strong></td>
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<tr>
<td>(10.00 - 10.45)</td>
<td>OP24 Ovarian masses</td>
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<td>OP25 Normal and abnormal fetal growth</td>
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<td>OP26 Fetal anomalies: second trimester</td>
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<td>OP27 Uteroplacental Doppler assessment</td>
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<td>OP28 Fetal intervention and first trimester: obstetric case reports</td>
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<td>(12.20 - 13.05)</td>
<td>OP29 Ultrasound imaging and treatment</td>
<td>Beverly Hills</td>
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<td>OP30 Fetal cardiac function</td>
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<td>OP31 Perinatal outcomes and management of twin pregnancy</td>
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<td>OP32 Obstetric case reports</td>
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<td>OP33 Assuring quality in ultrasound</td>
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<td><strong>Thursday</strong></td>
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<td>(10.00 - 10.45)</td>
<td>OP34 Urogynecology and pelvic floor</td>
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<td>OP35 Detection of congenital cardiac defects</td>
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<td>OP36 Fetal Doppler</td>
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<td>OP37 Second trimester malformations</td>
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<td></td>
<td>OP38 Aneuploidy and fetal anomalies: first trimester II</td>
<td>Olympic 1</td>
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</table>
## Electronic posters at a glance

E-posters (P) are available for viewing throughout the Congress on the electronic poster terminals in the California Lounge. You can also send questions or comments to authors using our NEW integrated e-mail facility. E-posters are subject categorized in the following pages.

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<td>P01</td>
<td>Advanced ultrasound and MRI evaluation of the CNS</td>
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<tr>
<td>P02</td>
<td>Outcome and postnatal prognosis of CNS defects</td>
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<tr>
<td>P03</td>
<td>Case reports in fetal neurosonography and CNS anomalies</td>
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<tr>
<td>P04</td>
<td>Fetal heart</td>
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<td>P05</td>
<td>Case reports in fetal echocardiography and CHD</td>
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<tr>
<td>P06</td>
<td>Aneuploidy and fetal anomalies: first trimester</td>
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<td>P07</td>
<td>Case reports in aneuploidy and fetal anomalies: first trimester</td>
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<tr>
<td>P08</td>
<td>Aneuploidy and fetal anomalies: second trimester</td>
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<tr>
<td>P09</td>
<td>Case reports in aneuploidy and fetal anomalies: second trimester</td>
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<td>P10</td>
<td>Fetal growth restriction</td>
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<td>P11</td>
<td>Case reports in diagnosing and managing fetal growth restriction</td>
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<td>P12</td>
<td>Fetal and maternal Doppler</td>
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<td>P13</td>
<td>Case reports in maternal fetal Doppler</td>
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<td>Ultrasound in the third trimester and fetal surveillance</td>
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<td>P15</td>
<td>Case reports in the third trimester and fetal surveillance</td>
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<td>Labour at term</td>
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<td>Preterm labour and Caesarian section</td>
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<td>Case reports in term and preterm labour</td>
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<td>Case reports in fetal interventions</td>
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<td>Case reports in imaging technology including MRI</td>
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<td>Case reports in the role of ultrasound in patient safety</td>
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<td>Early pregnancy</td>
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<td>Ovarian masses</td>
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<td>Pelvic pain and endometriosis</td>
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<td>Reproductive medicine</td>
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<td>P34</td>
<td>Case reports in gynecology</td>
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</table>
‘Meet the professor’ sessions at a glance

Entry to these sessions is NOT included in the Congress registration fee. 
Tickets cost $35 and include catering (breakfast or drinks and snacks). These can be booked at the registration desk if places are available. You will receive a ticket as proof of your registration, which you will need this ticket for entry to the session.

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<th>Session</th>
<th>Professor</th>
<th>Room</th>
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<td>Getting the most out of 3D/4D echocardiography</td>
<td>R. Chaoui (Germany)</td>
<td>Westside</td>
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<tr>
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<td>Myths and facts of 2nd trimester markers of aneuploidy</td>
<td>D. Nyberg (United States)</td>
<td>Olympic 1</td>
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<td>How to publish a paper in UOG</td>
<td>B. Thilaganathan (United Kingdom)</td>
<td>Olympic 2</td>
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<td>Ovarian pathology</td>
<td>T. Bourne (United Kingdom)</td>
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<td>Significance of incidental sonographic findings in post menopausal wom</td>
<td>S. Goldstein (United States)</td>
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<td>Integration of MRI in the evaluation of the CNS</td>
<td>D. Prayer (Austria)</td>
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<td>Monday (17:30 - 18:10)</td>
<td>Prenatal diagnosis of fetal heart dysrhythmias</td>
<td>J. Copel (United States)</td>
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<td>Current issues in prenatal CMV infection</td>
<td>Y. Ville (France)</td>
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<td>Managing early pregnancy complications</td>
<td>G. Condous (Australia)</td>
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<td>3D ultrasound of the pelvic floor</td>
<td>D. Pretorius (United States)</td>
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<td>Abnormalities of the venous system</td>
<td>S. Yagel (Israel)</td>
<td>Sherman Oaks</td>
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<td>Tuesday (07:15 - 07:55)</td>
<td>Current role and prospects for intrapartum sonography</td>
<td>G. Pili (Italy)</td>
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<td>Early fetal echocardiography</td>
<td>J. Carvalho (United Kingdom)</td>
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<td>Analytic approaches to volume data: how is 3D/4D helpful?</td>
<td>W. Lee (United States)</td>
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<td>Prenatal management of congenital diaphragmatic hernia</td>
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<td>Pelvic pain</td>
<td>B. Benacerraf (United States)</td>
<td>Sherman Oaks</td>
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<td>Wednesday (07:15 - 07:55)</td>
<td>Current issues in IUGR management</td>
<td>A. Baschat (United States)</td>
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<td>Fetal echocardiography: anomalies of cardiac chambers</td>
<td>A. Abuhamad (United States)</td>
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<td>3D in gynecology: luxury or necessity?</td>
<td>I. Timor-Tritsch (United States)</td>
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<td>2nd trimester anomaly scan: what you can see and what you must see</td>
<td>D. Paladini (Italy)</td>
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<td>Wednesday (17:30 - 18:10)</td>
<td>Systematic approach to diagnosis and management of monochorionic twin complications</td>
<td>E. Gratacós (Spain)</td>
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<td>New developments in first trimester ultrasound screening</td>
<td>C. Bilardo (Netherlands)</td>
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<td>Applications and common technical errors in the use of fetal Doppler</td>
<td>C. Brezinka (Austria)</td>
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<td>Ultrasound in reproductive medicine</td>
<td>N. Raine-Fenning (United Kingdom)</td>
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<td>Thursday (07:15 - 07:55)</td>
<td>Skeletal dysplasias</td>
<td>D. Krakow (United States)</td>
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<td>Beyond the 4 chamber view: getting used to the outflow tract</td>
<td>G. DeVore (United States)</td>
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<td>Getting the most out of 3D volumes</td>
<td>L. Platt (United States)</td>
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<td>How to diagnose and stage cervical cancer</td>
<td>D. Fischerova (Czech Republic)</td>
<td>Olympic 2</td>
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Pre-congress courses

Saturday 17 September (08:00 - 17:00)
Fetal echocardiography: secrets of the trade  Westside

Sunday 18 September (08:00 - 13:00)
Pelvic floor ultrasound  Westside
Doppler ‘how to’  Olympic 1
Fetal neurosonography: CNS anomalies  Olympic 2

Sunday 18 September - Program

14:00 - 15:50
Top abstracts  LA Ballroom
Stuart Campbell Lecture, Hans Peter Dietz  LA Ballroom
Special Lecture, Alfred Abuhamad  LA Ballroom

15:50 - 16:20
ISUOG Annual General Meeting  LA Ballroom

16:00 - 16:50
Coffee break  California Showroom

16:50 - 17:40
Gold Medal Award and Lecture, Hugh Robinson  LA Ballroom
Special Lecture, Alan DeCherney  LA Ballroom

17:45 - 18:15
Performance by: The Scattertones  LA Ballroom

18:15 - 20:30
Welcome Reception  Hyatt pool & patio, Lobby level
Sunday 18 September 2011 - 15:50
LA Ballroom, Hyatt Regency Century Plaza Hotel

All fully paid delegates at ISUOG’s 21st World Congress in Los Angeles are online members of ISUOG in 2012 and are encouraged to attend the AGM for an update on ISUOG activities. Agenda and accompanying documents are available at www.isuog.org/membership/AGM.

Come and meet the team!
Visit the ISUOG Lounge in the California Showroom during the World Congress to find out more about the Society and its activities:

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

Stand activities:
Monday to Wednesday, 10:00 - 17:00 (all day)

- **Membership clinic**: A member of the team will be available to demonstrate ISUOG’s online resources and answer your membership queries.
- **Meet an editor**: UOG’s Managing Editor, Sarah Hatcher, and/or UOG’s Editors will be available to answer author queries.
- **Meet the publisher**: representatives from the publisher Wiley-Blackwell will be on the ISUOG stand at all times.
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<td>08:00</td>
<td>Introduction</td>
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<td>08:15</td>
<td>Detection rate of CHD: guidelines and what is missed?</td>
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<td>08:45</td>
<td>First trimester fetal cardiac examination: what can we see and why do we do it?</td>
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<tr>
<td>09:15</td>
<td>First trimester fetal cardiac examination: case studies of malformations</td>
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<tr>
<td>09:45</td>
<td>The segmental examination of the heart: correlating the fetal and neonatal echocardiogram</td>
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<tr>
<td>10:15</td>
<td>The genetic sonogram: the role of fetal echocardiography</td>
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<tr>
<td>10:45</td>
<td>VSDs why are they missed?</td>
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</tr>
<tr>
<td>11:15</td>
<td>The outflow tract examination: it should be our number 1 priority</td>
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<tr>
<td>11:45</td>
<td>Pearls: improving the detection of heart defects</td>
<td></td>
</tr>
<tr>
<td>12:00 - 13:00</td>
<td>Lunch</td>
<td>California Lounge</td>
</tr>
<tr>
<td>13:00</td>
<td>SVT: step-by-step management protocol</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>3D/4D fetal echocardiography: how do we use it and why?</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>Evaluating cardiac function: B-mode, pulsed Doppler and M-mode</td>
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<tr>
<td>14:30</td>
<td>Evaluation cardiac function: 4D ultrasound</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Live scan*</td>
<td></td>
</tr>
<tr>
<td>15:45</td>
<td>Live scan*</td>
<td></td>
</tr>
<tr>
<td>16:30</td>
<td>Q&amp;A and close</td>
<td></td>
</tr>
</tbody>
</table>

Free WIFI internet thanks to an unrestricted education grant provided by GE Healthcare

(available to all delegates on the Congress levels - California, Plaza and Mezzanine)

GE Healthcare is celebrating ViewPoint’s 20th anniversary with everyone at ISUOG! WIFI internet access is brought to you free of charge as our ‘thank you’ for helping us reach this milestone! Set your browser to SSID ‘GE ViewPoint Sponsored Wireless’ to access complimentary wireless on all Congress levels.

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
# Program – Sunday 18 September 2011

## 08:00 - 13:00 Pre-congress course: Fetal neurosonography: CNS anomalies  
**Olympic 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Introduction and sonography of the normal embryonic and fetal brain</td>
<td>G. Pilu (Italy), I. Timor-Tritsch (United States)</td>
</tr>
<tr>
<td>08:30</td>
<td>Ventriculomegaly</td>
<td>G. Pilu (Italy)</td>
</tr>
<tr>
<td>09:00</td>
<td>Agenesis of the corpus callosum and absence of the septum pellucidum</td>
<td>I. Timor-Tritsch (United States)</td>
</tr>
<tr>
<td>09:30</td>
<td>Cerebellar and posterior fossa anomalies</td>
<td>G. Malinger (Israel)</td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Open and closed spina bifida</td>
<td>G. Pilu (Italy)</td>
</tr>
<tr>
<td>11:00</td>
<td>Infections and destructive cerebral lesions</td>
<td>G. Malinger (Israel)</td>
</tr>
<tr>
<td>12:00</td>
<td>RM of the fetal brain</td>
<td>D. Prayer (Austria)</td>
</tr>
<tr>
<td>12:30</td>
<td>Case studies</td>
<td></td>
</tr>
<tr>
<td>12:50</td>
<td>Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

## 08:00 - 13:00 Pre-congress course: Doppler ‘how to’  
**Olympic 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>How to set up your ultrasound machine for optimal Doppler waveforms</td>
<td>A. Baschat (United States), C. Brezinka (Austria)</td>
</tr>
<tr>
<td>08:20</td>
<td>A round trip through the fetal circulation</td>
<td>C. Lees (United Kingdom)</td>
</tr>
<tr>
<td>08:40</td>
<td>Arterial and venous waveforms - what is normal? What is abnormal?</td>
<td>A. Baschat (United States)</td>
</tr>
<tr>
<td>09:00</td>
<td>Cardiac waveforms - what is normal? What is abnormal</td>
<td>H. Gardiner (United Kingdom)</td>
</tr>
<tr>
<td>09:20</td>
<td>Q&amp;A and discussion</td>
<td>C. Brezinka (Austria)</td>
</tr>
<tr>
<td>09:35</td>
<td>Doppler screening for adverse perinatal outcome</td>
<td>S. Campbell (United Kingdom)</td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>10:35</td>
<td>Management of fetal growth restriction</td>
<td>A. Baschat (United States)</td>
</tr>
<tr>
<td>11:00</td>
<td>Evaluation of monochorionic twins</td>
<td>K. Hecher (Germany)</td>
</tr>
<tr>
<td>11:25</td>
<td>Fetal anemia and hydrops</td>
<td>B. Thilaganathan (United Kingdom)</td>
</tr>
<tr>
<td>12:00</td>
<td>Q&amp;A and Discussion</td>
<td>A. Baschat (United States)</td>
</tr>
</tbody>
</table>

## 08:00 - 12:00 Pre-congress course: Pelvic floor ultrasound  
**Westside**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Introduction; slings and meshes</td>
<td>H. Dietz (Australia)</td>
</tr>
<tr>
<td>08:30</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>08:40</td>
<td>Anterior compartment</td>
<td>V. Eisenberg (Israel)</td>
</tr>
<tr>
<td>09:10</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>09:20</td>
<td>Posterior compartment</td>
<td>H. Dietz (Australia)</td>
</tr>
<tr>
<td>09:50</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee break</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Anal sphincter imaging</td>
<td>S. Yagel (Israel)</td>
</tr>
<tr>
<td>11:00</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>11:10</td>
<td>Levator trauma</td>
<td>H. Dietz (Australia)</td>
</tr>
<tr>
<td>11:40</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>11:50</td>
<td>Live scan demonstrations and discussion*</td>
<td>H. Dietz (Australia)</td>
</tr>
</tbody>
</table>

## 13:00 - 14:00 Lunch  
**California Lounge**

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
14:00 - 15:50 Top abstracts and special lectures  
**LA Ballroom**

Chairs: E. Gratacós (Spain); A. Gagnon (Canada)

14:00 Welcome  
**A. Tabor** (Denmark)

14:10 Stuart Campbell Lecture: We’ll soon do things differently: The impact of levator trauma on future clinical practice  
**H. Dietz** (Australia)

14:30 Prevention of preterm delivery in twin gestations (PREDICT): a multicentre randomised placebo-controlled trial on the effect of vaginal micronised progesterone  
L. Rode1; K. Klein2; K. Nicolaides3; E. Krampl-Bettelheim4; I. Vogel5; H. Larsen6; A. Holmskov7; K. Riis Andreasen7; N. Uldbjerg1; J. Ramb1; B. Bedker1; L. Skibsted1; L. Sperling1; S. Hinterberger1; L. Krebs1; H. Zingenberg1; E. Weiss8; I. Strobl2; L. Laursen1; J. Tranberg Christensen1; B. Hansen1; A. Lando1; A. Tabor1. 1(Denmark); 2(Austria); 3(United Kingdom)

14:36 Discussion

14:40 A step towards standardization in sono-graphics of fetal venous system: sequential analysis of five-transverse views  
E. Sinkovskaya; S. Horton; E. Berkley; J. Miller; A. Abuhamad (United States)

14:46 Discussion

14:50 How does the IVF treatment protocol affect subendometrial blood flow prior to ovulation?  
S. Surf; A. Ellifiti; J. Clewes; B. Campbell; N. Raine-Fenning (United Kingdom)

14:56 Discussion

15:00 Impaired mid-gestational maternal cardiac function and left ventricular remodeling in women who subsequently develop preterm but not term pre-eclampsia  
K. Melchiorre1; G. Sutherland1; A. Baltabaeva1; M. Liberati2; B. Thilaganathan1. 1(United Kingdom); 2(Italy)

15:06 Discussion

15:10 Sonographic assessment of abnormal fetal cerebral lamination  
D. Pugash; K. Dewar; G. Hendson; D. Money (Canada)

15:16 Discussion

15:20 Effects of cigarette smoking on first trimester sonographic markers  
M. Mongelli; S. Reid; N. Stamatopoulos; K. Sankaralingam; G. Condous (Australia)

15:26 Discussion

15:30 Maternal mortality: a global crisis - is there a role for ultrasound?  
A. Abuhamad (United States)

15:50 - 16:20 ISUOG Annual General Meeting  
**LA Ballroom**

16:00 - 16:50 Coffee break  
**California Showroom**

16:50 - 17:40 Special lectures and opening ceremony  
**LA Ballroom**

16:50 Gold Medal introduction and acceptance from Hugh Robinson  
**S. Campbell** (United Kingdom)

17:10 Special lecture: Assisted reproduction techniques and long term implications - what have we really created?  
**A. DeCherney** (United States)

17:40 - 17:45 Interval

17:45 - 18:15 Scattertones performance  
**LA Ballroom**

18:15 - 18:30 Welcome reception  
**pool & patio area**

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*This abstract has been shortlisted as a finalist for the Alfred Kratochvil 3D abstract award. The winner will be announced at the closing ceremony.*
Special lecture biographies

Alfred Abuhamad
Dr Abuhamad currently serves as Professor and Chairman for the Department of Obstetrics and Gynecology at Eastern Virginia Medical School in Norfolk, Virginia. He is on the board of the Society of Ultrasound in Medical Education, International Society of Ultrasound in Obstetrics and Gynecology, Maternal Fetal Medicine Foundation and Colleagues in Care. Dr Abuhamad is Chairman of the Ob Right Program, a nationally recognized program in patient safety and simulation. He is also the President of the American Institute of Ultrasound in Medicine. He has published numerous papers in peer review journals and has authored two textbooks on fetal echocardiography. Dr Abuhamad is well known internationally for his work in ultrasound, prenatal diagnosis, outreach and patient safety.

Alan DeCherney
Alan Hersh DeCherney, M.D., received his Bachelor’s Degree in Natural Sciences from Muhlenberg College in Allentown, Pennsylvania where he served on the Board of Trustees from 2006-2010. He obtained his Medical Degree from Temple University School of Medicine where he was awarded the Henry Laughlin Alumnus of the Year Award in 2005. He is currently Head of the Program in Reproductive and Adult Endocrinology/Reproductive Biology and Medicine Branch of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD). Previously, Dr DeCherney has held positions at Yale and UCLA. He is a Fellow of the American College of Obstetricians and Gynecologists and has been an active Board Member and President of several societies including Past President of the American Society for Reproductive Medicine. He is the Editor-in-Chief Emeritus of the Journal, Fertility and Sterility, and was an Associate Editor and Editorial Board Member of the New England Journal of Medicine. Dr. DeCherney has been a Member of the Institute of Medicine of the National Academies (IOM) since 2004 and is currently Chairperson of the IOM Interest Group on Maternal & Child & Human Development.

Hans-Peter Dietz
Hans Peter Dietz was born in Tuebingen, Germany, in 1983. He studied Medicine at Heidelberg University, Germany where he graduated in 1988 and obtained his MD in 1989. He trained in Germany, New Zealand and Australia, obtaining specialist OB/ GYN qualification in 1998 and Urogynecology subspecialty certification in 2002. In 2003 he completed a PhD with the University of New South Wales. In 2008 he became Professor in Obstetrics & Gynaecology, Sydney Medical School Nepean, University of Sydney. He is Associate Editor of the ‘Australasian and New Zealand Journal of Obstetrics and Gynaecology’ and an Editor of ‘Ultrasound in Obstetrics and Gynaecology’. He is active in a number of international scientific societies such as RANZCOG, IUGA, ISUOG and ICS and a member of the International Board of IUGA. He is married with two sons and lives in the Blue Mountains west of Sydney, Australia.

Hugh Robinson
Hugh Robinson was born 1943 in Ayr Scotland, 40 miles south of Glasgow. He was educated at Ayr Academy, a school whose roots go back to the 1202’s. He undertook his medical education at Glasgow University, qualifying in 1967 and was encouraged to specialise in Obstetrics and Gynaecology by Dr John MacVicar, an early co-worker in ultrasound with Prof Ian Donald, then his Senior Lecturer. After the British College specialty examination, he took up a position as Research Assistant to Prof Ian Donald, specialising in the first trimester of pregnancy, both normal and abnormal, and writing an M.D. thesis on his work.
Prof Robinson moved to Melbourne, Australia in 1978 with his family, to take up a position as First Assistant (Associate Professor) at the Royal Women’s Hospital. Ultrasound research continued, focusing on follicle development in relation to the early development of IVF treatment, fetal anomaly diagnosis and management, and Rh disease treatment. In 1981 he set up in private ultrasound practice in Melbourne.
He served on the Council of the Royal Australian College of Obstetrics and Gynaecology from 1987 to 1992, during which time he chaired the Committee which set up ultrasound as a subspecialty within the college. Prof Robinson retired from medical practice in 2006, to live on a vineyard south of Melbourne, which he has been developing since 1985. He is now a full-time grape-grower and a part-time grandfather to two grand-daughters.
# Monday 19 September - Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:15 - 07:55</td>
<td>Meet the Professor' sessions (these are not part of the main program and must be booked – see program for details)</td>
</tr>
<tr>
<td>08:00 - 08:40</td>
<td>Placental health and pre-eclampsia Santa Monica</td>
</tr>
<tr>
<td>08:40 - 09:55</td>
<td>Aneuploidy and fetal anomalies: first trimester I LA Room</td>
</tr>
<tr>
<td>08:40 - 09:55</td>
<td>Early pregnancy I: miscarriage and growth Beverly Hills</td>
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<tr>
<td>10:00 - 10:45</td>
<td>Screening for congenital heart disease Constellation 2</td>
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<tr>
<td>10:00 - 10:45</td>
<td>Early pregnancy Beverly Hills</td>
</tr>
<tr>
<td>10:00 - 10:45</td>
<td>Advanced ultrasound and MRI evaluation of the CNS Constellation 1</td>
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<tr>
<td>10:00 - 10:45</td>
<td>Aneuploidy and fetal anomalies: second trimester Westside</td>
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<tr>
<td>10:00 - 10:45</td>
<td>Predicting complications in twin pregnancy Olympic 1</td>
</tr>
<tr>
<td>10:00 - 10:45</td>
<td>Prediction and diagnosis of placental disease Olympic 2</td>
</tr>
<tr>
<td>11:00 - 12:15</td>
<td>Risks and management of twin pregnancies Santa Monica</td>
</tr>
<tr>
<td>11:00 - 12:15</td>
<td>Early pregnancy II: PUL and ectopic pregnancy Beverly Hills</td>
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<tr>
<td>12:20 - 13:05</td>
<td>Abnormal uterine bleeding Beverly Hills</td>
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<tr>
<td>12:20 - 13:05</td>
<td>Pre-eclampsia and uterine artery Doppler Constellation 1</td>
</tr>
<tr>
<td>12:20 - 13:05</td>
<td>Preterm labour and Caesarean section Westside</td>
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<tr>
<td>12:20 - 13:05</td>
<td>First trimester screening: quality assurance Olympic 1</td>
</tr>
<tr>
<td>12:20 - 13:05</td>
<td>Fetal surveillance and third trimester imaging Olympic 2</td>
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<tr>
<td>13:10 - 14:10</td>
<td>GE satellite symposium LA Room</td>
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<tr>
<td>14:15 - 15:30</td>
<td>Aneuploidy and fetal anomalies: first trimester II LA Room</td>
</tr>
<tr>
<td>14:15 - 15:30</td>
<td>Complications of twin pregnancy Santa Monica</td>
</tr>
<tr>
<td>14:15 - 15:30</td>
<td>Ultrasound in gynecologic emergencies Beverly Hills</td>
</tr>
<tr>
<td>16:00 - 17:20</td>
<td>Using 3D in the gynecology patient Beverly Hills</td>
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<tr>
<td>16:00 - 17:20</td>
<td>Borderline findings: the heart Santa Monica</td>
</tr>
<tr>
<td>16:00 - 17:20</td>
<td>Prediction and prevention of preterm birth LA Room</td>
</tr>
<tr>
<td>16:00 - 17:20</td>
<td>Management of placental disease Westside</td>
</tr>
<tr>
<td>16:00 - 17:20</td>
<td>Ultrasound training: education and simulators Olympic 1</td>
</tr>
<tr>
<td>17:30 - 18:10</td>
<td>Meet the Professor' sessions (these are not part of the main program and must be booked – see program for details)</td>
</tr>
</tbody>
</table>
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07:15 - 07:55  ‘Meet the professor’ sessions

Entry to these sessions is NOT included in the Congress registration fee. Tickets cost $35 to include breakfast and can be booked at the registration desk if places are available. You will receive a ticket as proof of your registration, which you will need for entry to the session.

08:00 - 08:40  State of the art lecture  
LA Room

Chair: E. Gratacos (Spain)
Long term outcome of congenital heart disease
J. Aboulhosn (United States)

08:40 - 09:55  Aneuploidy and fetal anomalies: first trimester I  
LA Room

Chairs: A. Tabor (Denmark); A. Abuhamad (United States)

08:40  Overview
A. Tabor (Denmark)

08:45  Live scan; [supported by: Samsung Medison]
W. Sepulveda (Chile)

09:00  Nuchal Translucency Education and Quality Review (NTQR) program: first one million results
H. Cuckle; L. Thornburg; B. Bromley; K. Fuchs; L. Platt; R. Wapner; M. D’Alton (United States)

09:05  Discussion
OC02.01

09:08  First trimester examination with a web-based system. Experiences from the Swedish National Quality Registry for prenatal diagnosis
P. Conner; A. Marsk; M. Kublickas; H. Almström (Sweden)

09:13  Discussion
OC02.02

09:16  Increased nuchal translucency, normal karyotype and infant development
C. Mittoff; C. Ekelund; B. Hansen; A. Lande; O. Petersen; P. Skovbo; F. Jergensen; L. Sperling; H. Zingenberg; A. Nikiila; A. Shalmi; I. Stornes; V. Ersbak; A. Tabor (Denmark)

09:21  Discussion
OC02.03

09:24  First trimester nuchal translucency (NT) screening vs NT Screening plus an anatomical survey; does it make a difference?
G. DeVore; B. Polanco (United States)

09:29  Discussion
OC02.04

09:32  Fetal echocardiography at 11-14 weeks by experienced obstetricians in a routine population during first trimester US screening for chromosomal abnormalities
G. Rembouskos; G. Volpe; V. De Robertis; A. Tempesta; G. Campobasso; U. Passamonti; P. Volpe (Italy)

09:37  Discussion
OC02.05

09:40  Repeated invasive procedures for prenatal diagnosis. What is the total fetal loss?
A. Antsaklis; M. Theodora; K. Blanas; V. Martisa; G. Daskalakis; S. Mesogitis; N. Papantoniou (Greece)

09:45  Discussion
OC02.06

09:48  Summary and close
A. Tabor (Denmark)

08:40 - 09:55  Placental health and pre-eclampsia  
Santa Monica

Chairs: A. Papageorghiou (United Kingdom); K. Maršál (Sweden)

08:40  Overview
A. Papageorghiou (United Kingdom)

08:45  Live scan [supported by: Siemens*]
A. Baschat (United States)

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Program – Monday 19 September 2011

09:00  Performance of routine screening for pre-eclampsia by maternal factors, uterine artery Doppler, arterial pressure and PAPP-A in a general population setting  
J. Stirmenrost; L. Salomon; G. Benoist; M. Essaoui; J. Bernard; Y. Ville (France)  
09:05  Discussion  
09:08  Placental vascular impedance differential: comparative analysis of fetal umbilical artery and maternal uterine artery Doppler flow to assess placental circulatory health  
J. Ryckik; Q. Pan; Z. Tian (United States)  
09:13  Discussion  
09:16  Comparative study on quantitative parameters of blood perfusion and microvessel density in placenta of rat model of pre-eclampsia evaluated with contrast-enhanced ultrasound  
K. Chen (China)  
09:21  Discussion  
09:24  Reducing stillbirth at term: role of mid-trimester uterine artery doppler  
T. Singh; C. Lacovella; A. Bhide; B. Thilaganathan (United Kingdom)  
09:29  Discussion  
09:32  Impaired maternal cardiac contractility and systolic dysfunction is a feature of preterm and not term pre-eclampsia  
K. Melchiorre; G. Sutherland; A. Baltabaeva; M. Liberati; B. Thilaganathan. 1(United Kingdom); 2(Italy)  
09:37  Discussion  
09:40  Pre-eclampsia predisposes to persistent long-term postpartum left ventricular myocardial injury  
K. Melchiorre; G. Sutherland; A. Baltabaeva; M. Liberati; B. Thilaganathan. 1(United Kingdom); 2(Italy)  
09:45  Discussion

08:40 - 09:55 Early pregnancy I: miscarriage and growth  
Beverly Hills

Chairs: C. Benson (United States); T. Bourne (United Kingdom)

08:40  Overview  
T. Bourne (United Kingdom)

08:45  Discussion: How do we define miscarriage using ultrasound - comparing and contrasting national guidelines  
C. Benson (United States); C. Bottomley (United Kingdom)

09:05  The 6mm crown-rump length threshold for detecting fetal heart movements - what is the evidence?  
J. Hamilton (United Kingdom)

09:10  Discussion

09:13  Longitudinal growth of crown-rump length, gestation sac and yolk sac in pregnancies following fertility treatment  
A. Pexsters1; A. Daemen1; C. Bottomley2; Y. Abdallah2; O. Naji2; T. D’Hooghe1; T. Bourne2; D. Timmerman1. 1(Belgium); 2(United Kingdom)

09:18  Discussion

09:21  Expectant management of delayed miscarriage - are we setting ourselves up to fail?  
S. Merritt; M. McVeigh; P. Seed; J. Hamilton (United Kingdom)

09:26  Discussion

09:29  The appearance of an embryo with or without visible heartbeat and yolk sac in small gestation sacs in accurately dated fertility treatment patients  
A. Pexsters1; A. Daemen1; C. Bottomley2; Y. Abdallah2; O. Naji2; T. D’Hooghe1; T. Bourne2; D. Timmerman1. 1(Belgium); 2(United Kingdom)

09:34  Discussion

09:37  The limitations of using mean gestation sac diameter (MSD) measurements to define miscarriage  
T. Bourne1; Y. Abdallah2; A. Daemen1; O. Naji2; A. Pexsters1; C. Bottomley2; C. Stalder1; D. Timmerman1. 1(United Kingdom); 2(Belgium)

09:42  Discussion

10:00 - 10:45 Short oral presentation (OP) sessions  
Constellation 2

OP01: Screening for congenital heart disease  
Chairs: G. DeVore (United States); J. Wladimiroff (United Kingdom)

OP02: Early pregnancy  
Chairs: K. Barnhart (United States); S. Goldstein (United States)

OP03: Advanced ultrasound and MRI evaluation of the CNS  
Chairs: G. Malinger (Israel); M. Sanz-Cortes (Spain)

OP04: Aneuploidy and fetal anomalies: second trimester  
Chairs: D. Nyberg (United States); T. Ship (United States)

OP05: Predicting complications in twin pregnancy  
Chairs: Y. Ville (France); R. Chmait (United States)

OP06: Prediction and diagnosis of placental disease  
Chairs: E. Hernandez-Andrade (Mexico); L. Salomon (France)

10:30 - 11:00 Coffee and e-poster viewing  
California Showroom

11:00 - 12:15 Cardiac anomalies of the outflow tract  
LA Room

Chairs: J. Fouron (Canada); J. Copel (United States)

11:00  Overview  
J. Fouron (Canada)

11:05  Live scan: Fetal heart - beyond the four chambers [supported by: Philips*]  
B. Tutschek (Switzerland)

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** This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).
11:25  To coart or not to coart: does the third trimester 'golf club sign' help in differentiating a true from a false coarctation?  OC05.01
R. Abu-Rustum; L. Dao; M. Ziadé; S. Abu-Rustum (Lebanon)
11:30  Discussion
11:33  The aorta/RV diameter ratio allows to rule out aortic coarctation in cases referred for ventricular disproportion or suspect of coarctation. A multivariate analysis study  OC05.02
D. Paladini; G. Sglavo; G. Pastore; M. Sorrentino; C. Nappi (Italy)
11:38  Discussion
11:41  Sonographic predictors of surgery in fetal coarctation of the aorta  OC05.03
V. Jowett1; P. Aparicio1; S. Santhakumar1; A. Seale1; H. Jicinska2; H. Gardner1. 1(United Kingdom); 2(Czech Republic)
11:46  Discussion
11:49  Aortic arch anatomy helps identify the fetus at-risk for a chromosome 22q11.2 deletion  OC05.04
S. Perwadli; J. Garbarini; S. Wycieczkowski; B. Emanuel, E. Goldmuntz (United States)
11:54  Discussion
11:57  Prenatal detection of an aberrant right subclavian artery, as an isolated finding and its consequences: a prospective study  OC05.05
A. Gerede; A. Athanasiadis; F. Rouвалиs; A. Zavlanos; C. Amaoutoglou; P. Tzevelekis; E. Assimakopoulos; B. Tarlatzis (Greece)
12:02  Discussion
12:05  Summary and close  J. Fouron (Canada)

11:00 - 12:15  Risks and management of twin pregnancies  Santa Monica
Chairs: R. Romero (United States); M. Porto (United States)
11:00  Overview  R. Romero (United States)
11:05  Preventing preterm birth in twins  R. Romero (United States)
11:25  Vaginal progesterone and the risk of preterm delivery in high-risk twin gestations - secondary analysis of a placebo-controlled randomised trial  OC06.01
K. Klein1; L. Rede1; K. Nicolaides1; E. Krampl-Bettelheim1; H. Larsen1; A. Holmso12; K. Rüis Andreasen1; N. Uldbjerg2; J. Ramb1; B. Bader1; L. Skubsted1; L. Sperling1; S. Hinterberger1; L. Krebs1; H. Zingenberg1; E. Weiss1; I. Strob1; L. Laursen2; J. Tranberg Christensen2; I. Vogel2; B. Hansen2; A. Lando2; A. Tabor2. 1(Austria); 2(Denmark)
11:30  Discussion
11:33  Cervix measurement in spontaneous labor prediction in a large population of twins from a metropolitan hospital in Santiago, Chile  OC06.02
M. Yamamoto; F. Jordan; L. Caicedo; M. Barraza; E. Paiva; A. Insunza (Chile)
11:38  Discussion
11:41  Optimal timing of screening cervical length to predict preterm delivery in triplet pregnancy  OC06.03
F. King; J. Jun; C. Park; J. Park; B. Yoon; H. Syn (Republic of Korea)
11:46  Discussion
11:49  Assisted reproductive technologies and fetal anomalies in multiple gestations  OC06.04
R. Gutkin; C. Hillerup; N. Silverman; D. Krakow; K. Patel; L. Platt (United States)
11:54  Discussion
11:57  Neonatal respiratory morbidity in twins versus singletons after elective late-preterm cesarean section  OC06.05
M. Nanni1; T. Ghi; T. Arcangeli; A. Youssef; F. De Musso; E. Maroni; F. Bellussi; G. Salsi; L. Cariello; G. Pilu; N. Rizzo (Italy)
12:02  Discussion
12:05  Summary and close  R. Romero (United States)

11:00 - 12:15  Early pregnancy II: PUL and ectopic pregnancy  Beverly Hills
Chairs: G. Condous (Australia); A. Parsons (United States)
11:00  Overview  A. Parsons (United States)
11:05  Why and how do definitions of PUL vary between Europe and USA, and reducing follow-up  S. Goldstein (United States)
11:20  New potential markers of ectopic pregnancy  K. Barnhard (United States)
11:35  Serial hCG assays for the management of pregnancies of unknown location (PUL); does the timing of hCG samples matter?  OC07.01
Y. Abdallah1; W. Hoo1; K. Van Hoorde2; O. Naji1; B. Van Calster1; E. Kirk1; A. Pexsters2; C. Bottomley1; C. Stalder1; S. Van Hulfe1; D. Timmerman1; T. Bourne1. 1(United Kingdom); 2(Belgium)
11:40  Discussion
11:43  The efficacy and safety of ultrasound-guided methotrexate treatment in cesarean scar pregnancy  OC07.02
L. Wang; H. Xu; J. Wang; X. Gao; Q. Lin; Q. Cui; Z. Yuan (China)
11:48  Discussion
11:51  Local and systemic methotrexate injection may be the preferred treatment of cesarean section scar pregnancies: experience of 16 cases  OC07.03
I. Timor-Tritsch; A. Monteaugudo; E. Rodgers; R. Santos (United States)
11:56  Discussion
11:59  Can knowledge of pretreatment beta hCG level (βhcg) and size of ectopic pregnancy aid in predicting failure of methotrexate therapy?  OC07.04
S. Muhammad; P. Land; K. Hayes (United Kingdom)
12:04  Discussion

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† This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).
Program – Monday 19 September 2011

12:07 Comparing the subjective impression of the examiner to the hCG ratio and mathematical models for the management of pregnancies of unknown location (PUL) Y. Abdallah1; O. Naji2; K. Van Hoorede1; A. Iram1; B. Van Calster1; E. Kirk1; A. Pexsters1; R. Husicka1; C. Stalder1; S. Van Huffel2; D. Timmerman2; T. Bourne1. 1(United Kingdom); 2(Belgium)
Discussion
OC07.05

12:20 - 13:05 Short oral presentation (OP) sessions

OP07: Imaging the normal and abnormal heart Chairs: R. Chauvi (Germany); J. Fouron (Canada) Beverly 2
OP08: Abnormal uterine bleeding Chairs: A. Parsons (United States); E. Epstein (Sweden) Constellation 1
OP09: Pre-eclampsia and uterine artery Doppler Chairs: C. Lees (United Kingdom); A. Odibo (United States) Westside
OP10: Preterm labour and Caesarean section Chairs: P. Calda (Czech Republic); H. Feltovich (United States) Olympic 1
OP11: First trimester screening: quality assurance Chairs: K. Leung (Hong Kong); J. Hyett (Australia) Olympic 2
OP12: Fetal surveillance and third trimester imaging Chair: S. Eik-Nes (Norway); L. Salomon (France)

12:45 - 13:15 Lunch and e-poster viewing California Showroom

13:10 - 14:10 GE satellite symposium** LA Room

14:15 - 15:30 Aneuploidy and fetal anomalies: first trimester II LA Room

Chairs: L. Platt (United States); J. Hyett (Australia)

Overview L. Platt (United States)

14:20 Live scan [supported by: Hitachi Aloka Medical*] J. Carvalho (United Kingdom)

14:35 Diagnosis of fetal orofacial clefts in the first trimester: a three-dimensional (3D) ultrasound study A. Abuhamad (United States)

P. Martinez-Ten1; B. Adeigo2; T. Illescas3; C. Bermejo1; A. Wong2; W. Sepulveda2. 1(Spain); 2(Chile)

Discussion

14:43 A novel view to assess the presence of nasal bone in the first trimester - pre-maxillary triangular view: a feasibility study V. Raja; I. Suresh; S. Seshadri; J. Ramesh; B. Kugan; S. Sairam (India)

Discussion

14:51 Assessment of posterior fossa in fetuses with Dandy Walker malformation at 11-13 weeks: a pilot study R. Lachmann1; E. Sinkovskaya2; A. Abuhamad3. 1(Germany); 2(United States)

C. Lees (United Kingdom)

Discussion

14:56 Resolution of enlarged nuchal translucency or cystic hygroma prior to chorionic villus sampling: impact on outcomes A. Borelli; M. Grande; M. Arigita; V. Borobio; J. Jimenez; B. Puerto (Spain)

J. Coletta; L. Price; K. Fuchs (United States)

Discussion

15:04 Increased detection of structural abnormalities in the first trimester using aneuploidy markers A. Borrell1; M. Grande; M. Arigita; V. Borobio; J. Jimenez; B. Puerto (Spain)

A. Pexsters (Belgium)

Discussion

15:12 Accuracy and precision of crown-rump length and other fetal biometry in nuchal translucency screening interpretation R. Gutkin; H. Cuckle; N. Silverman; D. Krakow; K. Patel; L. Platt (United States)

Summary and close L. Platt (United States)

14:15 - 15:30 Complications of twin pregnancy Santa Monica

Chairs: K. Hecher (Germany); A. Gagnon (Canada)

14:15 Complications of twin pregnancy K. Hecher (Germany)

14:35 Fetal growth in multiple gestations: effects of CVS followed by selective reduction at a single institution S. Rad; A. Fong; D. Oguryevs; J. Williams (United States)

Discussion

14:43 Complications and outcome of invasive prenatal diagnosis in twin pregnancies L. Platt (United States)

C. Zanardini; P. Rovida; V. Stagnati; F. Prefumo; C. Groli; T. Frusca (Italy)

Discussion

14:51 Systematic review of monochorionic versus dichorionic twin pregnancy losses near term T. Dias; D. Patel; C. Iacovella; S. Mahbud-Domann; A. Bhide; B. Thilaganathan (United Kingdom)

Discussion

14:56 Crown-rump length and abdominal circumference discrepancy as early predictors of late adverse pregnancy outcome in monochorionic diamniotic pregnancies A. Bhide; B. Thilaganathan (United Kingdom)

OC09.04

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* This abstract has been shortlisted as a finalist for the Alfred Kratochvil 3D abstract award. The winner will be announced at the closing ceremony.
15:04 Discussion
15:07 Perinatal outcome of surviving co-twins in monochorionic twin pregnancies complicated by single fetal demise after 20 weeks of gestation
S. King; J. Jun; C. Park; J. Park; H. Syn (Republic of Korea)
15:12 Discussion
15:15 Incidence of stillbirth after viability in a large, unselected cohort of monochorionic twin pregnancies
K. Petit; M. Merchant; G. Machin; M. Norton (United States; Canada)
15:20 Discussion

14:15 - 15:35 Ultrasound in gynecologic emergencies
Beverly Hills

Chair: R. Sanders (United States); D. Timmerman (Belgium)
14:15 Evaluating the lost IUD
B. Benacerraf (United States)
14:35 When and how do we need to intervene once we have diagnosed ectopic pregnancy?
G. Condous (Australia)
14:50 Ultrasound features and evidence based management of adnexal torsion
C. Bottomley (United Kingdom)
15:05 Ultrasound diagnosis and treatment of pelvic infection and abscess
I. Timor-Tritsch (United States)
15:25 Discussion
R. Sanders (United States)

15:30 - 16:00 Coffee and e-poster viewing
California Showroom

16:00 - 17:20 Borderline findings: the heart
Santa Monica

Chair: D. Paladini (Italy)
16:00 Persistent left superior vena cava. What to look for
R. Chauv (Germany)
16:20 How to avoid VSD epidemics
D. Paladini (Italy)
16:40 Tricuspid regurgitation. Is it trivial or not?
G. DeVore (United States)
17:00 Live scan: fast & furious without compromising on efficiency [Supported by GE']
D. Paladini (Italy)

16:00 - 17:20 Using 3D in the gynecology patient
Beverly Hills

Chair: B. Benacerraf (United States)
16:00 Volume acquisition in gynecology
B. Benacerraf (United States)
16:15 The uterus and SIS
S. Campbell (United Kingdom)
16:30 Uterine anomalies pre and post surgery
B. Benacerraf (United States)
16:45 The adnexa including vascular indices
I. Timor-Tritsch (United States)
17:00 Discussion
B. Benacerraf (United States)

16:00 - 17:20 Prediction and prevention of preterm birth
LA Room

Chair: R. Romero (United States)
16:00 Cervical ultrasound to predict preterm birth
S. Hassan (United States)
16:20 The role of progesterone to prevent preterm birth
R. Romero (United States)
16:40 The role of cerclage to prevent preterm birth
Z. Alfrevic (United Kingdom)
17:00 Case presentations
All speakers

16:00 - 17:20 Management of placental disease
Westside

Chairs: C. Bilardo (Netherlands); R. Cruz-Martinez (Spain)
16:00 Introduction
C. Bilardo (Netherlands)
16:05 Screening for placental dysfunction
A. Papageorghiou (United Kingdom)
16:25 Discussion

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16:30 Early onset fetal growth restriction
A. Baschat (United States)
16:50 Discussion
16:55 Late onset fetal growth restriction
E. Gratacós (Spain)
17:15 Questions and answers

16:00 - 17:15 Ultrasound training: education and simulators

16:00 Introduction
B. Tutschek (Switzerland)
16:05 Ultrasound education at present in the USA
W. Lee (United States)
16:15 ISUOG proposed training
B. Tutschek (Switzerland)
16:30 Medical simulation
R. Hershkovitz (Israel)
16:40 Simple virtual reality imaging for OB&GYN ultrasound
B. Tutschek (Switzerland)
16:50 Educational means for teaching OB&GYN ultrasound in Simultech, Israeli medical simulation center
R. Tepper (Israel)
17:05 Discussion panel
B. Tutschek (Switzerland)

17:30 - 18:10 ‘Meet the professor’ sessions

Entry to these sessions is NOT included in the Congress registration fee.
Tickets cost $35 to include drinks and refreshments and can be booked at the registration desk if places are available.
You will receive a ticket as proof of your registration, which you will need for entry to the session.

Prenatal diagnosis of fetal heart dysrhythmias
J. Copel (United States)
Current issues in prenatal CMV infection
Y. Ville (France)
Managing early pregnancy complications
G. Condous (Australia)
3D ultrasound of the pelvic floor
D. Pretorius (United States)
Abnormalities of the venous system
S. Yagel (Israel)

Constellation 1
Westside
Olympic 1
Olympic 2
Sherman Oaks
OP01: Screening for congenital heart disease

Chairs: G. Delioure (United States); J. Wladimiroff (United Kingdom)

The functional single ventricle heart in the fetus: accuracy of prenatal diagnosis and outcome
D. Albert (Spain)
Right ventricle dilatation: an alert sign in the fetal heart
S. Grinstein (Argentina)
Fetal PR interval in pregnant women with positive anti SSA/Ro and anti SSA/La antibodies, and risk of developing fetal heart block
H. Muñoz (Chile)
The study of ventricular septal defect typing and location by fetal echocardiography
Y. He (China)
Prenatal diagnosis and treatment planning of conotruncal anomalies: fetal echocardiographic features, associated anomalies and outcome
D. Albert (Spain)
Clinical study of the fetal echocardiogram in double-outlet right ventricle
H. Su (China)
Intrauterine evolution of fetal cardiac defects diagnosed between 11 and 14 weeks of gestation
M. Autuori (Italy)
Dilated right ventricle and foramen ovale restriction: a ‘near’ physiology view
B. Matarello (Italy)
Brain perfusion changes in fetuses with congenital heart defects as measured by spectral Doppler indices and fractional moving blood volume
R. Cruz-Martinez (Spain)
First-trimester nuchal translucency cutoffs to detect second trimester cardiac abnormalities in euploid fetuses
A. Shamshirsaz (United States)
Can the fetal NT help predict the evolution of hypoplastic left heart syndrome suspected at 11-14 weeks?
R. Abu-Rustum (Lebanon)

OP02: Early pregnancy

Chairs: K. Barnhart (United States); S. Goldstein (United States)

The comparison of Power Doppler colour scores and volume of retained products of conception in a woman with incomplete miscarriage: prediction of successful expectant management
I. Casikar (Australia)
Is there a correlation between birth weights and early first trimester crown-rump length (CRL) growth rates?
M. Monoo (Australia)
Pregnancies of unknown location: what influences outcome? a
S. Winder (Australia)
Prediction of abortion using three dimensional ultrasound volumetry of the gestational sac and the amniotic sac in threatened abortion
M. Odoh (Ireland)
Ovulation-implantation interval in relation to early pregnancy outcome
A. Mahendru (United Kingdom)
New model to predict viability at the end of the first trimester for women with an intrauterine pregnancy of uncertain viability (IPUVI)
A. Model (Australia)
Behaviour of serum hormone levels at 4 and 5 weeks gestation in an IVF treatment population
A. Pexsters (Belgium)
Linear and volumetric ultrasound measures of embryo growth and their predictive value for first trimester miscarriage
S. Sur (United Kingdom)
A decision tree analysis incorporating 3-D US variables to predict outcome of pregnancies of unknown location
S. Winder (Australia)
First trimester ultrasonographic markers, birth weight and gestational age at delivery
A. Monoo (Australia)
Rationalizing the management of pregnancies of unknown location (PULs) by reliably selecting failing PUL and intrauterine pregnancies for minimal follow up
Y. Abdallah (United Kingdom)

OP03: Advanced ultrasound and MRI evaluation of the CNS

Chairs: G. Malinger (Israel); M. Sanz-Cortes (Spain)

Normal morphometry of fetal posterior fossa: brainstem-tentorium angle and brainstem-vermis angle
E. Contro (Italy)
Prospective evaluation of the usefulness of one-step combined examination of fetal CNS by specialized 2D/3D neurosonogram and fetal magnetic resonance in the group of fetuses referred for ventriculomegaly a
V. Fislova (Czech Republic)
Frontomaxillary facial angle in first trimester spina bifida
J. Acuna (United States)
Measurement of the brain stem diameter at the 11-14 week scan
J. Voletch (Czech Republic)
Prenatal detection of closed spina bifida
K. Kagan (Germany)
Prenatal diagnosis of closed spinal dysraphism
G. Malinger (Israel)
Magnetic resonance diffusion weighted imaging (DWI): reproducibility of apparent diffusion coefficient measurements for the normal fetal brain
A. Boyer (United States)
Objective evaluation of fetal brain fissures development by three-dimensional ultrasonography
L. Landa (Brazil)

a This abstract has been shortlisted as a finalist for the Alfred Kratochvil 3D abstract award. The winner will be announced at the closing ceremony.
Short oral presentations – Monday 19 September 2011

Three-dimensional ultrasonographic depiction of fetal brain blood vessels
L. Ginos (Israel)

Inter and intra-observer reproducibility in the standard evaluation of fetal central nervous system using 3D ultrasound
D. Pedraza (Chile)

Evaluation of fetal brain malformations by three-dimensional ultrasonography and magnetic resonance imaging
P. Nowak (Brazil)

OP04: Aneuploidy and fetal anomalies: second trimester

Chairs: D. Nyberg (United States); T. Shipp (United States)

A study to determine the clinical utility of fetal right-subclavian-artery evaluation
J. Santolaya-Forgas (United States)

Perinatal outcome of single umbilical artery diagnosed at second trimester
A. Gerede (Greece)

Is the size of the fetal renal pelvis gender-dependent at 20-24 weeks?
P. Abu-Rustum (Lebanon)

Absent or near absent nasal bone in the 2nd trimester
D. Nyberg (United States)

The importance of isolated fetal stomach echogenic foci on second trimester scan
S. Solinou (Greece)

Prenatal echographic diagnosis of single umbilical artery
M. Onofriescu (Romania)

Correlation of fetal ultrasonographic (US) finding in de novo chromosomal aberrations: role of fetal ultrasonography (US)
M. Kim (Republic of Korea)

The prognostic significance of a single umbilical artery (SUA) in fetuses with prenatally detected congenital diaphragmatic hernia (CDH)
M. Nordraa (United States)

Single umbilical artery (SUA) in a high risk obstetrical population
T. Newman (United States)

OP05: Predicting complications in twin pregnancy

Chairs: Y. Ville (France); R. Chmait (United States)

Does multi-fetal pregnancy reduction influence perinatal results in twin pregnancies?
P. Yank (Turkey)

Single umbilical artery: is it a risk factor in multiple pregnancies?
P. Costa (Australia)

Perinatal complications of monochorionic diamniotic twin gestations with discordant crown-rump length
S. Nakayama (Japan)

Intrauterine growth performance of dichorionic twin gestations arising following first trimester multi-fetal reduction of higher order multiple pregnancies
R. Brown (Canada)

Placental characteristics of monochorionic diamniotic twin pregnancies in relation to early perinatal outcome
S. Molina (Colombia)

Ultrasoundographic screening for fetal chromosomal anomalies in multiple pregnancies
P. Yank (Turkey)

The outcome of twin reversed arterial perfusion sequence in monochorionic monoamniotic twin pregnancies
T. Morakoshi (Japan)

Abnormal placental cord insertion in monochorionic-diamniotic twins: an ominous finding
L. Simpson (United States)

Pregnancy outcomes after early complications in selective multifetal pregnancy reduction
A. Gerede (Greece)

OP06: Prediction and diagnosis of placental disease

Chairs: E. Hernandez-Andrade (Mexico); L. Salomon (France)

Diagnosis of placental insufficiency with magnetic resonance imaging using the Diffusion Weighted Imaging (DWI) on a murine model of vascular fetal growth restriction
G. Chalouhi (France)

2-dimensional placental measures in the second trimester can predict small for gestational age
N. Schwartz (United States)

Intrauterine fetal growth in pregnancies complicated by a morbidly adherent placenta
A. Adamec (United Kingdom)

Using orthogonal placental circumferences to estimate placental volume in the first and second trimesters
N. Schwartz (United States)

Placental volume in malaria infected pregnancies
M. Riikea (Thailand)

Prenatal surveillance of growth restricted fetus in late second trimester
H. Muto (Japan)

Adiponectin in first trimester of pregnancies that later develop pre-eclampsia: relation to prognosis and adipokines
M. Christiansen (Denmark)

Low levels of PAPP-A in first trimester of pregnancies conceived after ART and the risk of adverse obstetric outcome
M. Christiansen (Denmark)
Short oral presentations – Monday 19 September 2011

Metabolic cord blood profiling in intrauterine growth restricted fetuses
E. Cosmi (Italy)  
OP06.09

Absolute and relative quantification of placental specific microRNAs in maternal circulation with placental insufficiency related complications
I. Hromadriko (Czech Republic)  
The placental morphology index as a sonographic indicator of early placental development
N. Schwartz (United States)  
OP06.10
OP06.11

OP07: Imaging the normal and abnormal heart  
Chairs: R. Chaciu (Germany); J. Fouron (Canada)
First and second trimester assessment of aberrant right subclavian artery (ARSA) assessment in routine population
G. Rembouskos (Italy)  
Abstract withdrawn  
Fetal left brachiocephalic vein: visualization, biometry and blood flow pattern between 11 and 40 weeks of gestation
E. Sinkovskaya (United States)  
Fetal azygous vein: visualization, biometry and blood flow pattern between 11 and 40 weeks of gestation
E. Sinkovskaya (United States)  
OP07.01
OP07.02
OP07.03
OP07.04
OP07.05

M. Zarnth (Brazil)
Ectopia cordis in prenatal life
M. Machado (Brazil)
OP07.06

Ventricular volumetry, heart stoke volume, cardiac output and ejection fraction obtained by STIC: comparison between fetal sex
C. Simioni (Brazil)
OP07.07

Incidence of cardiac defects in a private prenatal diagnosis unit
R. Cassis-Martinez (Ecuador)
OP07.08

Clinical research of diagnosing univentricular heart classification by fetal echocardiography
L. Li (China)
OP07.09

Clinical significance of echocardiography in diagnosing fetal cardiovascular malformation surgery and prognostic classification
L. Li (China)
OP07.10

OP08: Abnormal uterine bleeding  
Chairs: A. Parsons (United States); E. Epstein (Sweden)
Image Study Webapp - a web interface for imaging-based interrater agreement studies
A. Installe (Belgium)  
The reproducibility of three methods to evaluate the volume of intracavitary structures/abnormalities using 3D Gel Instillation
Sonohysterosgraphy (GIS)
B. Voskamp (Netherlands)  
The antevorted retroflexed uterus: a consequence of cesarean section
R. Sander (United States)  
Showing pictograms in electronic data capture software improves interrater agreement
A. Installe (Belgium)  
OP08.01
OP08.02
OP08.03
OP08.04
OP08.05

Sonographic detection of association between intrauterine device position and bleeding pattern
E. Ancuta (Romania)  
OP08.06

Differentiation of abnormal uterine bleedings in perimenopausal women with elastography
M. Swiatkowska-Freund (Poland)  
OP08.07

The research of the influence of uterine artery embolisation on functional ovarian reserve
T. Makukhina (Russian Federation)  
OP08.08

Study on clinical effect of ultrasound-guided percutaneous microwave ablation for treatment of adenomyosis
J. Zhang (China)
OP08.09

OP09: Pre-eclampsia and uterine artery Doppler  
Chairs: C. Lees (United Kingdom); A. Odibo (United States)
First trimester uterine artery Doppler velocimetry and arterial tonometry
T. Stampalia (Italy)  
Placental volume and uterine artery Doppler correlation in first trimester of pregnancy
T. Stampalia (Italy)  
OP09.01
OP09.02

First and second trimester uterine artery Doppler study in high-risk women for pre-eclampsia
J. Puente (Spain)  
Maternal ophthalmic artery Doppler: novel parameter to predict early-onset pre-eclampsia in the first trimester of pregnancy
F. Costa (Australia)  
Uterine arteries resistances above the 95th centile in the second trimester scan: time to look back at the first-trimester PAPP-A value?
E. Gomez-Montes (Spain)  
OP09.03
OP09.04
OP09.05

First trimester uterine artery Doppler and placental 3D power Doppler vascular flow in the prediction of pre-eclampsia
A. Odibo (United States)  
The role of uterine artery Doppler velocimetry in prediction of adverse pregnancy outcomes in women with elevated serum alpha-fetoprotein
A. Jamal (Islamic Republic of Iran)  
OP09.06
OP09.07

Relationship between uterine artery Doppler PI and P-selectin expression in women at risk of pre-eclampsia
J. Everett (United Kingdom)  
Risk of placental abruption in patients with abnormal uterine artery Doppler in the second trimester of pregnancy
S. Gabrielli (Italy)
OP09.08
OP09.09
OP11: First trimester screening: quality assurance  
Chairs: K. Leung (Hong Kong); J. Hyett (Australia)  
Assessment of fetal 3D volumes at 11-13+6 weeks  
A. Comanescu (Romania)  
Standard measurement in first trimester sonographic scan between 11 and 13 6/7 gestation. CRL or BPD  
J. Ramos Maeso (Spain)  
Intra- and inter-observer variability of crown-rump length and other fetal biometry at the nuchal translucency scan  
R. Gutkin (United States)  
Continuing education on NT: an exercise on caliper placement for NT measurement  
S. Ong (Singapore)  
Does fetal image size affect the measurement of nuchal translucency thickness using Volume NTM?  
H. Cho (Republic of Korea)  
Effect of image settings on the measurement of nuchal translucency thickness by semi-automated system  
T. Lau (Hong Kong)  
Practical biometry ratios of first trimester screening  
P. Baski (Turkey)  
Nuchal translucency qualitative quality control in France. The CFEF (College Français d’Échographie Fœtale) five years experience  
G. Chalouhi (France)

OP12: Fetal surveillance and third trimester imaging  
Chairs: S. El-Nes (Norway); L. Salomon (France)  
Isolated single umbilical artery is not associated with increased frequency of growth delay or non-reassuring fetal status  
A. Baschat (United States)  
Fetal weight estimation in extreme macrosomia (≥4,500g): comparison of 10 different formulas  
P. Faschingbauer (Germany)  
The influence of caliper placement on the accuracy of fetal weight estimation in prolonged pregnancies  
F. D’Antonio (Italy)  
Investigation of changes of the amniotic fluid volume in polyhydramnios  
M. Goto (Japan)  
The effectiveness of MRI in the prenatal diagnosis of placenta accreta  
S. Laifer-Narin (United States)  
Diagnosis of placenta accreta - comparing ultrasound and MRI techniques  
P. Gervychova (Czech Republic)  
Prior cesarean delivery and other predictors of placenta previa resolution  
K. Fuchs (United States)  
The importance of surveillance of fetuses with gastrochisis  
A. Brantberg (Norway)  
Follow-up and perinatal outcome of fetuses with gastrochisis complicated by secondary bladder herniation  
G. Chalouhi (France)  
Sonographic shape of the portal vein-portal sinus anastomosis and birth weight  
J. Santolaya-Forgas (United States)
07:15 - 07:55
Meet the Professor’ sessions  (these are not part of the main program and must be booked – see program for details)

08:00 - 08:40
State of the art lecture  LA Room

08:40 - 09:55
New imaging technologies  LA Room
Pelvic pain  Santa Monica
Management of fetal growth disorders  Beverly Hills

10:00 - 10:45
Gynecology case reports  Santa Monica
Outcome and postnatal prognosis of CNS defects  Constellation 1
New approaches to fetal cardiac imaging  Constellation 2
Maternal fetal Doppler  Westside
Fetal therapy  Olympic 1
Aneuploidy and fetal anomalies: first trimester  Olympic 2

11:00 - 12:15
Fetal echocardiography in 2D and 3D/4D  LA Room
Reproductive medicine  Santa Monica
Fetal therapy  Beverly Hills

12:20 - 13:05
Reproductive medicine  Santa Monica
Outcomes in fetal growth restriction  Constellation
Developments in the first trimester scan  Westside
Labour at term  Olympic 1
New imaging technologies  Olympic 2

13:10 - 14:10
Siemens satellite symposium  LA Room

14:15 - 15:30
Fetal neurosonography and CNS anomalies  LA Room
Abnormal uterine bleeding  Santa Monica
Outcomes in fetal growth restriction  Beverly Hills

16:00 - 17:20
Tips and tricks in ultrasound  LA Room
Evaluating ovarian function and infertility  Santa Monica
Fetal therapy workshop  Beverly Hills
Advanced methods in prenatal diagnosis  Constellation
Outreach workshop: training the trainers  Westside

19:30 - late
Congress Party  Paramount Studios
The ISUOG Outreach program provides intensive hands-on training in ultrasound, supported by essential theoretical knowledge, in underserved regions of the world.

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

ISUOG Outreach has teaching programs in South Africa, Haiti, Ghana and Somaliland.

The ISUOG Outreach Workshop is open to all delegates, exhibitors & Outreach partners free of charge. If you are an ISUOG Outreach Volunteer, interested in finding out more, or keen to take part in a future project, please come along. Learn about ISUOG’s international Outreach work and the important role the trainers play in our projects.

More information about ISUOG Outreach projects can be found on the ISUOG website: www.isuog.org/Education+Training/Outreach+Program

Or write to us at outreach@isuog.org
**TUESDAY PROGRAM**

**07:15 - 07:55 ‘Meet the professor’ sessions**

Entry to these sessions is NOT included in the Congress registration fee. Tickets cost $35 to include breakfast and can be booked at the registration desk if places are available. You will receive a ticket as proof of your registration, which you will need for entry to the session.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Location</th>
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<tbody>
<tr>
<td>Current role and prospects for intrapartum sonography</td>
<td>Westside</td>
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<tr>
<td>G. Pilu (Italy)</td>
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<tr>
<td>Early fetal echocardiography</td>
<td>Olympic 1</td>
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<td>J. Carvalho (United Kingdom)</td>
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<tr>
<td>Analytic approaches to volume data: how is 3D/4D helpful?</td>
<td>Olympic 2</td>
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<td>W. Lee (United States)</td>
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<tr>
<td>Prenatal management of congenital diaphragmatic hernia</td>
<td>Constellation 1</td>
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<td>J. Deprest (Belgium)</td>
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<tr>
<td>Levator trauma</td>
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<td>H. Dietz (Australia)</td>
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<tr>
<td>Pelvic pain</td>
<td>Sherman Oaks</td>
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<tr>
<td>B. Benacerraf (United States)</td>
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**08:00 - 08:40 State of the art lecture**  
LA Room

Chair: L. Platt (United States)

The use of microarrays in pregnancies with abnormal ultrasound findings
L. Shaffer (United States)

**08:40 - 09:55 New imaging technologies**  
LA Room

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Authors</th>
</tr>
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<tbody>
<tr>
<td>08:40</td>
<td>Overview</td>
<td>P. Jeanty (United States)</td>
</tr>
<tr>
<td>08:45</td>
<td>Live scan: Future of volume imaging [supported by Phillips*]</td>
<td>W. Lee (United States)</td>
</tr>
<tr>
<td>09:00</td>
<td>Early pregnancy changes in maternal haemodynamics using pulse wave analysis</td>
<td>A. Mahendru; T. Everett; G. Hackett; C. McEniery; I. Wilkinson; C. Lees (United Kingdom)</td>
</tr>
<tr>
<td>09:05</td>
<td>Discussion</td>
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<tr>
<td>09:08</td>
<td>Prenatal diagnosis of placenta accreta: a role for dynamic contrast-enhanced MRI?</td>
<td>A. Millischer-Bellaiche; B. Deloison; S. Silvera; G. Chalouhi; V. Tsatsaris; P. Sonigo; F. Goffinet; C. Adamsbaum; F. Brunelle; Y. Ville; L. Salomon (France)</td>
</tr>
<tr>
<td>09:13</td>
<td>Discussion</td>
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<tr>
<td>09:16</td>
<td>MRI assessment of regional fractional moving blood volume within the placenta</td>
<td>R. Deshpande; D. Anblagan; N. Jones; N. Raine-Fenning; G. Bugg; P. Mansell; P. Gowland; L. Leach (United Kingdom)</td>
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<tr>
<td>09:21</td>
<td>Discussion</td>
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<tr>
<td>09:24</td>
<td>Analysis of fetal ear rotation by three-dimensional rendering mode using a novel method: the ear angle - preliminary results</td>
<td>A. Hatansaka; L. Rolo; E. Araujo Junior; P. Nowak; R. Mattar; L. Nardozza; A. Moron (Brazil)</td>
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<tr>
<td>09:29</td>
<td>Discussion</td>
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<tr>
<td>09:32</td>
<td>Early pregnancy changes in maternal arterial stiffness</td>
<td>A. Mahendru; T. Everett; C. McEniery; I. Wilkinson; C. Lees (United Kingdom)</td>
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<tr>
<td>09:37</td>
<td>Discussion</td>
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<tr>
<td>09:40</td>
<td>Additive manufacturing technologies applied in fetal medicine researches</td>
<td>H. Werner²; J. dos Santos³; R. Fontes³; S. Belmonte³; P. Daltro³; E. Gasparetto³; E. Marchiori³; S. Campbell³; (Brazil); (³United Kingdom)</td>
</tr>
<tr>
<td>09:45</td>
<td>Discussion</td>
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<tr>
<td>09:48</td>
<td>Summary and close</td>
<td>P. Jeanty (United States)</td>
</tr>
</tbody>
</table>

**08:40 - 09:55 Pelvic pain**  
Santa Monica

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:40</td>
<td>Overview</td>
<td>L. Valentin (Sweden)</td>
</tr>
<tr>
<td>08:45</td>
<td>The ultrasound features of typical and atypical endometriosis [supported by: Samsung Medison*]</td>
<td>C. Van Holsbeke (Belgium)</td>
</tr>
<tr>
<td></td>
<td>Incorporating: Live scan: demonstrating deep endometriosis [supported by: Samsung Medison*]</td>
<td>G. Condous (Australia)</td>
</tr>
</tbody>
</table>

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
## Program – Tuesday 20 September 2011

### 08:40 - 09:55 Management of fetal growth disorders

**Beverly Hills**

- **08:40**
  - Chairs: K. Maršál (Sweden); D. Maulik (United States)
  - Overview

- **08:45**
  - Psychology of IUGR
    - A. Raschaf (United States)

- **09:05**
  - Assessment of fetal-placental unit oxygenation in an IUGR rat model using BOLD effect in MRI 4.7T
    - G. Chahoudi; B. Delcolion; M. Alison; O. Clément; Y. Ville; S. Nathalie; L. Salomon (France)

- **09:10**
  - Discussion

- **09:13**
  - Fetal aortic pulse pressure, distensibility and compliance assessment during the second half of pregnancy
    - P. Struijk; H. Migchels; V. Mathews; P. Stewart; E. Clark; C. de Korte; F. Lotgering (Netherlands; United States)

- **09:18**
  - Discussion

- **09:21**
  - Aortic isthmus reversed blood flow increases the risk of emergency cesarean delivery for nonreassuring fetal status in late-onset intrauterine growth restricted fetuses with normal umbilical artery Doppler
    - R. Cruz-Martinez; F. Figueras; S. Savchev; E. Gratacos (Spain)

- **09:26**
  - Discussion

- **09:29**
  - Increased umbilical artery pulsation in fetal growth restriction increases the risk of ST-depression of the fetal electrocardiogram during labor
    - J. Kessler; T. Risened; S. Albrechtsen (Norway)

- **09:34**
  - Discussion

- **09:37**
  - Umbilical artery Doppler indices and ultrasonographic placental biometry in relation to pregnancy outcome in a paradigm of fetal growth restriction
    - D. Carr; R. Atkin; J. Milne; A. David; J. Wallace (United Kingdom)

- **09:42**
  - Discussion

- **09:45**
  - Summary and close

### 10:00 - 10:45 Short oral presentation (OP) sessions

- **OP13: Gynecology case reports**
  - Chairs: B. Benacerraf (United States); C. Benson (United States)

- **OP14: Outcome and postnatal prognosis of CNS defects**
  - Chairs: G. Malinger (Israel); S. Rotmensch (United States)

- **OP15: New approaches to fetal cardiac imaging**
  - Chairs: B. Tutschek (Switzerland); H. Muñoz (Chile)

- **OP16: Maternal fetal Doppler**
  - Chairs: G. Mari (United States); A. Papageorghiou (United Kingdom)

- **OP17: Fetal therapy**
  - Chairs: W. Sepulveda (Chile); K. Hecher (Germany)

- **OP18: Aneuploidy and fetal anomalies: first trimester I**
  - Chairs: K. Kagan (Germany); O. Petersen (Denmark)

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

**California Showroom**

### 11:00 - 12:15 Fetal echocardiography in 2D and 3D/4D

**LA Room**

- **11:00**
  - Overview

- **11:05**
  - Live scan: 3D/4D of the fetal heart [supported by: GE*]

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*Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.*
Program – Tuesday 20 September 2011

11:00 - 12:15 Reproductive medicine  
Santa Monica

Chairs: N. Raine-Fenning (United Kingdom); S. Campbell (United Kingdom)

11:00 Overview
S. Campbell (United Kingdom)

11:05 Using a model based on serum biochemistry at 4 and 5 weeks gestation to predict immediate viability and viability at 12 weeks in IVF pregnancies
A. Pexsters1; K. Van Hoore1; B. Van Calster1; S. VanHullf1; E. Kirk2; Y. Abdallah2; C. Bottomley2; S. Schildermans1; T. D’Hooghe1; E. Kirk2; D. Timmerman1. (Belgium); (United Kingdom)

11:17 Discussion

11:20 Anatomic factors in recurrent miscarriage - US and HSG in evaluation of the uterine cavity in 352 women
S. Sethi; M. Aziz; E. Horner; S. Quinn; R. Margara; M. Crofton; L. Regan (United Kingdom)

11:25 Discussion

11:28 Prospective evaluation of polycystic ovaries by ultrasound predicts polycystic ovarian syndrome (PCOS)
E. Moschos; D. Twickler (United States)

11:33 Discussion

11:36 The reproductive outcomes of women with congenital uterine anomalies: a systematic review
Y. Chan; K. Jayaprakasan; A. Tan; J. Thornton; A. Coomarasamy; N. Raine-Fenning (United Kingdom)

11:41 Discussion

11:44 Hysterosalpingo-Foam Sonography (HyFoSy); first experiences with Hysterosalpingo-Contrast Sonography (HyCoSy) with Foam
M. Emanuel; N. Exalto (Netherlands)

11:49 Discussion

11:52 The role of antral follicle counts (AFC) via TVUSG in determining fertility preservation outcomes in cancer patients undergoing ovarian stimulation
E. Arslan1; M. Karay1; F. Møy1; K. Oktay1. (United States); (Turkey)

11:57 Discussion

12:00 Comparison of AFC & AMH for assessment of ovarian reserve
S. Panchal; C. Nagori (India)

12:05 Discussion

11:00 - 12:15 Fetal therapy  
Beverly Hills

Chairs: Y. Ville (France); A. Johnson (United States)

11:00 The scope of fetal therapy
Y. Ville (France)

11:20 Neonatal morbidity in fetuses with severe isolated CDH in the FETO era
E. Done1; P. Lewi2; M. Rayyan2; K. Nicolaides3; A. Greenough4; J. Moreno5; E. Gratacs6; J. Jani6; O. Moreno6; J. Deprest7. (Belgium); (United Kingdom); (Spain)

11:25 Discussion

11:28 Radiofrequency ablation (RFA) vs. bipolar cord coagulation (BCC) in the management of complex monochorionic pregnancies: a 14 year single center experience
M. Bembinato1; E. Danzer1; J. Moidenhauer1; N. Khalek1; M. Johnson1. (United States)

11:33 Discussion

11:36 Changes in cardiac tissue Doppler imaging in fetuses with congenital diaphragmatic hernia and association with the risk of severe neonatal pulmonary hypertension
R. Cruz-Martinez1; F. Crispi1; J. Martinez1; M. Castañon1; J. Bartron1; E. Gratacs1. (Spain)

11:41 Discussion

11:44 Predictors of early neonatal morbidity in fetuses with severe isolated congenital diaphragmatic hernia (CDH) undergoing fetal endoluminal tracheal occlusion (FETO)
E. Done1; P. Lewi2; C. Vanhole2; E. Gratacs2; K. Nicolaides3; A. Greenough4; M. Casta1; J. Jani6; O. Moreno6; J. Deprest7. (Belgium); (United Kingdom); (Spain)

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*This abstract has been shortlisted as a finalist for the Alfred Kratochwil 3D abstract award. The winner will be announced at the closing ceremony.

**This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).
Program – Tuesday 20 September 2011

11:49 Discussion
11:52 Fetal intrapulmonary Doppler predicts severe neonatal pulmonary hypertension in fetuses with congenital diaphragmatic hernia treated with fetal endoscopic tracheal occlusion
R. Cruz-Martinez; O. Moreno-Alvarez; M. Castaño; J. Martínez; E. Hernandez-Andrade; E. Gratacós (Spain)
11:57 Discussion
12:00 Probability of neonatal outcomes in isolated congenital diaphragmatic hernia by evaluating fetal pulmonary vasculature
R. Ruano; E. Takashi; M. Silva; U. Tannuri; M. Zugaib (Brazil)
12:05 Discussion
12:08 Summary and close
Y. Ville (France)

12:20 - 13:05 Short oral presentation (OP) sessions

OP19: Reproductive medicine
Chars: G. Cordous (Australia); E. Epstein (Sweden)
OP20: Outcomes in fetal growth restriction
Chars: K. Marsål (Sweden); T. Kiserud (Norway)
OP21: Developments in the first trimester scan
Chars: F. Audibert (Canada); H. Blaas (Norway)
OP22: Labour at term
Chars: J. Hobbins (United States); K. Kalache (Germany)
OP23: New imaging technologies
Chars: E. Hernandez-Andrade (Mexico); K. Baba (Japan)

12:45 - 14:10 Lunch and e-poster viewing

13:10 - 14:10 Siemens satellite symposium**

14:15 - 15:30 Fetal neurosonography and CNS anomalies
Chars: G. Pili (Italy); J. Hobbins (United States)

14:15 Overview
G. Pili (Italy)
14:20 Live scan [supported by: Samsung Medison®]
K. Kalache (Germany)
14:40 Mid-term neurological outcome in mild isolated ventriculomegaly diagnosed in fetal life
P. Gómez-Arriaga; J. Puente; J. Arbues; N. Nuñez; D. Escribano; A. Galindo Izquierdo (Spain)
14:55 Midbrain curvature for the detection of spina bifida in the first trimester of pregnancy
G. Lau; J. Acuna; I. Sott; C. Morales; S. Beauchamp; J. Mirocha; S. Rotmensch (United States)
15:09 Imaging and clinical findings in a cohort of fetuses with commissural abnormalities
R. Moyal; T. Lerman-Sagie; D. Lev; G. Pilu; P. Volpe (Italy)
15:17 Discussion
15:20 Summary and close
G. Pili (Italy)

14:15 - 15:30 Abnormal uterine bleeding
Chars: A. DeCherney (United States); A. Parsons (United States)

14:15 Overview
A. DeCherney (United States)
14:20 The association of patients' characteristics and bleeding pattern with uterine intracavitary pathology
J. Veldman; T. Van den Bosch; E. Werbrouck; D. Van Schoubroeck; J. Deprest; T. Bourne; D. Timmerman (Belgium); (United Kingdom)
14:32 Discussion
14:35 Diagnosing and treating fibroids
T. Van den Bosch (Belgium)
14:50 New ultrasound based mathematical models for the preoperative preparation of high risk endometrial cancer
C. Van Holsbeke; L. Ameye; A. Testa; F. Masclini; A. Masti; D. Fischereva; S. Fransis; E. de Jonge; D. Timmerman; E. Epstein (Belgium); (Italy); (Sweden); (Czech Republic)
14:55 Discussion
14:58 Rate of non benign endometrial pathology among a series of 1345 patients with sonographic diagnosis of endometrial polyp
M. Tessaro; L. Boning; S. Aidala; M. Camanni; F. Delletto (Italy)
15:03 Discussion

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
** Lunchtime satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content.
^ This abstract has been shortlisted as a finalist for the Alfred Kratochwil 3D abstract award. The winner will be announced at the closing ceremony.
## Program – Tuesday 20 September 2011

### 14:15 - 15:30 Outcomes in fetal growth restriction

**Chair:** K. Maršál (Sweden); K. Calkins (United States)

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<tr>
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<th>Session</th>
<th>Location</th>
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<tr>
<td>14:15</td>
<td>Overview</td>
<td>Beverly Hills</td>
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<tr>
<td>14:20</td>
<td>Fetal origins of adult disease - growth restriction and metabolic syndrome.</td>
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<tr>
<td>14:35</td>
<td>Intrauterine growth restriction, aortic wall thickening, and glomerular proteinuria during infancy</td>
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<tr>
<td>14:40</td>
<td>Hypertensive disorders in infants born with intrauterine growth restriction</td>
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<tr>
<td>14:51</td>
<td>Evaluation of brain microstructure assessed by computer-based fetal MRI analysis to detect progressive changes associated with brain sparing in small for gestational age (SGA) fetuses</td>
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<tr>
<td>14:56</td>
<td>Discussion</td>
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<tr>
<td>14:59</td>
<td>Evaluation of a computer-based analysis of brain textures on fetal MRI to detect changes in small for gestational age (SGA) fetuses and to predict neurodevelopmental outcome</td>
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<tr>
<td>15:04</td>
<td>Discussion</td>
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<td>15:07</td>
<td>Neurodevelopmental outcome at 24-months of full-term small-for-gestational age infants with normal placental function</td>
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<td>15:12</td>
<td>Discussion</td>
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<tr>
<td>15:15</td>
<td>Relationships between antepartum surveillance parameters in both fetal growth restriction and very low birth weight and 3 years infant neurodevelopment</td>
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<tr>
<td>15:20</td>
<td>Discussion</td>
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<tr>
<td>15:23</td>
<td>Summary and close</td>
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**Chair:** K. Maršál (Sweden); K. Calkins (United States)

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### 16:00 - 17:20 Tips and tricks in ultrasound

**Chair:** B. Benacerraf (United States); J. Spitz (United States)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Live scan: The acoustically challenged patient: how can we optimize the scan? [supported by: Philips*]</td>
<td>LA Room</td>
</tr>
<tr>
<td>16:20</td>
<td>How to organise your database of cases</td>
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<tr>
<td>16:40</td>
<td>The use of sonographers and the advanced practice sonographer</td>
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<tr>
<td>17:00</td>
<td>How to work with your physician</td>
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</tbody>
</table>

**Chair:** B. Benacerraf (United States); J. Spitz (United States)

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### 16:00 - 17:20 Evaluating ovarian function and infertility

**Chair:** S. Campbell (United Kingdom); K. Barnhart (United States)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Characterising congenital uterine abnormalities and importance of fibroids and polyps to infertility</td>
<td>Santa Monica</td>
</tr>
<tr>
<td>16:20</td>
<td>Androgens and PCO</td>
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<tr>
<td>16:40</td>
<td>PCO and ovarian reserve</td>
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<tr>
<td>16:50</td>
<td>Live scan: Using ultrasound to evaluate ovarian function [supported by GE*]</td>
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**Chair:** S. Campbell (United Kingdom); K. Barnhart (United States)

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

**This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).**
### TUESDAY PROGRAM

#### Program – Tuesday 20 September 2011

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<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tr>
<td>16:00 - 17:20</td>
<td><strong>Fetal therapy workshop</strong></td>
<td><strong>Beverly Hills</strong></td>
</tr>
<tr>
<td>16:00</td>
<td>Natural history of Myelomeningocele</td>
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<tr>
<td>16:15</td>
<td>Prenatal repair of myelomeningocele - the MOMS trial</td>
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<tr>
<td>16:30</td>
<td>Prenatal open repair of myelomeningocele - is this the standard of care now Jan, Gordon McComb, Eduard, Tony, Michael</td>
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<tr>
<td>16:50</td>
<td>Fetoscopic tracheal occlusion for congenital diaphragmatic hernia</td>
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<tr>
<td>17:05</td>
<td>Panel discussion</td>
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<tr>
<td></td>
<td><strong>Advanced methods in prenatal diagnosis</strong></td>
<td><strong>Constellation</strong></td>
</tr>
<tr>
<td>16:00</td>
<td>Introduction</td>
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<tr>
<td>16:05</td>
<td>How prenatal diagnosis can answer the molecular basis of disease</td>
<td>D. Krakow (United States)</td>
</tr>
<tr>
<td>16:25</td>
<td>The good, the bad, the ugly: lessons learnt from the NIH microarray</td>
<td>R. Wapner (United States)</td>
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<tr>
<td>16:45</td>
<td>Molecular cytogenetic approaches for identifying chromosomal abnormalities in prenatal testing</td>
<td>L. Shaffer (United States)</td>
</tr>
<tr>
<td>17:05</td>
<td>Clinical use of whole exome/genome analysis</td>
<td>S. Nelson (United States)</td>
</tr>
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</table>

| 16:00 - 17:20 | **Outreach workshop: training the trainers** | **Westside** |
| 16:00        | Introduction to the ISUOG Outreach structure and goals | S. Johnson (United Kingdom) |
| 16:05        | ISUOG Outreach organisation                    | M. Kamio Badiella (United Kingdom) |
| 16:10        | ISUOG Outreach - the NGO perspective: Médecins Sans Frontières | S. Spijker (Netherlands) |
| 16:20        | Course content and training stages             | A. Abuhamad, P. Jeanty, T. Johnson (United States) |
| 16:40        | “How to / Six steps approach”                  | A. Abuhamad (United States) |
| 16:50        | Tracking success and testing evaluation methods | D. Paladini (Italy) |
| 17:00        | Lessons learnt in Outreach to date, how can ISUOG improve? | A. Tabor (Denmark) |
| 17:10        | Workshop feedback                             | A. Abuhamad (United States) |
| 17:20        | Closing comments                              | A. Abuhamad (United States) |

| 19:30 - 23:59 | **Congress party** | **Paramount Studios** |

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**THE STUDIOS at Paramount**

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**Note:**
- All sessions are held in their respective locations unless otherwise specified.
- For detailed information, consult the full program document.
TUESDAY SHORT ORAL PRESENTATIONS

**Short oral presentations – Tuesday 20 September 2011**

**OP13: Gynecology case reports**

*Chairs: B. Benacerraf (United States); C. Benson (United States)*

- Treatment of heterotopic cervical pregnancies
- A pelvic mass of curious origin in a patient with prior hysterectomy and bilateral salpingo-oophorectomy
- A diagnosis with a concealing outfit
- McCune Albright Syndrome: a diagnosis to be kept in mind
- Case report of lithiases in the periurethral gland of a woman
- Local extravesical glandular cystitis mimicking pelvic neoplasm using transvaginal sonography: a case report and diagnostic characteristics
- Placenta percreta with bladder invasion

*Y. Xiong (China)*

*Y. Huang (China)*

*R. Bayik (Turkey)*

*M. Bernardo (Portugal)*

*S. Yagel (Israel)*

**OP14: Outcome and postnatal prognosis of CNS defects**

*Chairs: G. Malinger (Israel); S. Rotmensch (United States)*

- Apparently isolated prenatal interhemispheric cystic lesions: rate of associated anomalies after advanced neurosonography
- Neurodevelopmental outcome of posterior fossa anomalies with uncertain prognosis
- The International Fetal Neurology Network (IFN): a 3-year summary of an online academic videconferencing collaboration
- Fused fornices: CNS findings and outcome in 30 fetal cases
- Prenatal diagnosis and postnatal outcome of fetal posterior fossa abnormalities: a prospective multicenter study
- Prenatal diagnostic & outcome of isolated fetal posterior cranial fossa cystic abnormalities
- Potential prognostic parameters of the Chiari II malformation
- The hidden mortality of vein of galen aneurysmal malformation
- Congenital CMV infection - a new approach to prenatal follow up
- Congenital CMV infection: prenatal predictors and outcome

*E. Contro (Italy)*

*K. Yusupov (Russian Federation)*

*S. Steinwendner (Austria)*

*G. Chaloubi (France)*

*S. Yagel (Israel)*

**OP15: New approaches to fetal cardiac imaging**

*Chairs: B. Tutschek (Switzerland); H. Muñoz (Chile)*

- Inter-observer agreement in detailed prenatal diagnosis of congenital heart disease by telemedicine using four-dimensional ultrasound
- Applied research of spatio-temporal image correlation in congenital cardiovascular malformations
- Volume and mass calculation of small hearts using matrix transducer data: in vitro validation
- Data from a new matrix transducer to assess normal fetal hearts quantitatively
- A novel way to visualize the ductal arch and aortic arch by real-time three-dimensional ultrasound with live xPlane imaging
- Differential insertion of the atrioventricular valves measured by four-dimensional ultrasound using spatio-temporal image correlation
- The role of enhance flow imaging in visualizing and locating in fetal pulmonary veins
- Feasibility and accuracy of enhance flow in the diagnosis of fetal heart malformation
- Comparison of real-time three-dimensional echocardiography and spatio-temporal image correlation in assessment of fetal interventricular septum
- A new indirect sign of minor atrioventricular septal defects (AVSD): aistolic disappearance of atrioventricular valves (A/V)

*B. Adriaanse (Netherlands)*

*X. Lin (China)*

*B. Tutschek (Switzerland)*

*Y. Xiong (China)*

**OP16: Maternal fetal Doppler**

*Chairs: G. Mari (United States); A. Papageorghiou (United Kingdom)*

- Comparison of placental blood flow in the second trimester between normal and diabetic pregnancy using 3D power Doppler standardised to a local vessel

*N. Jones (United Kingdom)*
Short oral presentations – Tuesday 20 September 2011

The Tei index to assess myocardial performance in fetuses of diabetic mothers
K. Campbell (United States)
OP16.02

Fetal cerebral perfusion in the third trimester of pregnancies with controlled maternal insulin-dependent-diabetes (IDD)
I. Gussi (Romania)
OP16.03

The value of cerebroplacental ratio for fetal assessment in prolonged pregnancy
F. D’Antonio (United Kingdom)
OP16.04

Fetal cerebral perfusion in the third trimester of pregnancies with controlled maternal insulin-dependent-diabetes (IDD)
I. Gussi (Romania)
OP16.05

Does maternal psychological distress affect uterine artery blood flow resistance measures in third trimester?
A. Helboig (Norway)
OP16.06

Uterine artery Doppler during the second trimester of gestation in the screening for thrombophilic disorders
D. Piedraza (Chile)
OP16.07

Can LMWHs affect uterine artery Doppler in patients with thrombophilia?
E. Tekin (Turkey)
OP16.08

Relationship between uterine artery Doppler PI and platelet aggregation in women at risk of pre-eclampsia
T. Everett (United Kingdom)
OP16.09

Role of uterine artery Doppler velocimetry in the third trimester of pregnancy
C. Zanardini (Italy)
OP16.10

Uterine artery Doppler flow studies in late 2nd trimester for prediction of adverse pregnancy outcomes in low risk populations
H. Muto (Japan)
OP16.11

OP17: Fetal therapy

Chairs: W. Sepulveda (Chile); K. Hecher (Germany)

MRI findings in MC twin pregnancies after intra-uterine fetal death
S. Lipitz (Israel)
OP17.01

Non-invasive antenatal management of neonatal alloimmune thrombocytopenia in recurring pregnancies
S. Lipitz (Israel)
OP17.02

Perinatal outcome of monochorionic twins with severe selective IUGR
M. Marangoni (France)
OP17.03

Ultrasound prognostic factors in the period a week or two after laser surgery for twin-twin transfusion syndrome
K. Ishii (Japan)
OP17.04

Fetal lung response after complete and partial tracheal occlusion using a prototype engineered “smart” balloon in sheep model
R. Ruano (Brazil)
OP17.05

Antenatal prognostic factors for fetal sacrococcygeal teratoma; a multicenter survey in Japan
J. Seung chik (Japan)
OP17.06

Natural history and outcomes of right ventricular outflow tract obstruction (RVOTO) in twin-to-twin transfusion syndrome (TTTS)
M. Bebbington (United States)
OP17.07

Cervical length and cervical infection as predictors of success of laser therapy in twin-to-twin transfusion syndrome (TTTS)
B. Hollwitz (Germany)
OP17.08

Probability of neonatal outcomes in isolated congenital diaphragmatic hernia using fetal lung size measurements
R. Ruano (Brazil)
OP17.09

Posterior urethral valve treatment using an 18-gauge needle inserted through perineal surface of the fetus
E. Cosmi (Italy)
OP17.10

Cord occlusion in a clinical series of 103 monochorionic pregnancies: Impact of early (≤18 weeks) versus later treatment in outcome
M. Sanz-Cortes (Spain)
OP17.11

OP18: Aneuploidy and fetal anomalies: first trimester I

Chairs: K. Kagan (Germany); O. Petersen (Denmark)

The influence of fetal sex on parameters of first trimester combined test in normal pregnancies and pregnancies with Down and Edwards syndromes
M. Hynak (Czech Republic)
OP18.01

Improving the detection rate in first trimester screening for chromosomal abnormalities: using a 1 in 300 vs. a 1 in 100 risk assessment cut-off point
A. Tahmasebpoor (Islamic Republic of Iran)
OP18.02

First trimester screening in the Netherlands: why is the uptake so low?
M. Bakker (Netherlands)
OP18.03

Impact of a new public screening policy for Down syndrome in Hong Kong: preliminary results
K. Leung (Hong Kong)
OP18.04

The effect of the contents of exomphalos and nuchal translucency (NT) at 11-14 weeks on the likelihood of associated chromosomal abnormality
C. Iacovella (United Kingdom)
OP18.05

First things first: preconditions to reliably estimate the risk of fetal trisomy
R. Snijders (Netherlands)
OP18.06

Pre- and postnatal diagnosis of fetal trisomy in the north-east of the Netherlands
R. Snijders (Netherlands)
OP18.07

Foetal umbilical vein varices and thrombus formation: are there identifiable risk factors by foetal echocardiography?
L. Tordjman (Canada)
OP18.08

^ This abstract has been shortlisted for the Alfred Kratochwil 3D abstract award. The winner will be announced at the closing ceremony.
Short oral presentations – Tuesday 20 September 2011

OP19: Reproductive medicine
Chairs: G. Condous (Australia); E. Epstein (Sweden)

Comparison of CD & 3DPD for prehCG follicular & endometrial assessment in IU1 cycles
C. Nagoi (India) OP19.01
Stromal ovarian vascularization assessed by Spatial Temporal Image Correlation (STIC)-High Definition Flow (HDF) in women with PCOS
M. Kuda (Poland) OP19.02
Intra-cycle variation of antral follicle counts measured using 3D ultrasound and anti-Müllerian hormone in normo-ovulatory healthy volunteers
S. Deb (United Kingdom) OP19.03
The prevalence of congenital uterine anomalies in high risk populations - a systematic review
Y. Chae (United Kingdom) OP19.04
Three dimensional echographic evaluation of septate uterus after hysteroscopic septum resection and correlation with pregnancy outcome
C. Ionescu (Romania) OP19.05
Anomalies of the Muller duct development in women with reproductive disorders
D. Smetanova (Czech Republic) OP19.06
Reference values for size and vascularization of ovaries in premenopausal women obtained by three-dimensional gray scale and power Doppler ultrasound
L. Jokubkiene (Sweden) OP19.07
The effect of ovulation on standardised fractional moving blood volume (sfMBV) of the subendometrium
S. Sur (United Kingdom) OP19.08
Validation of antral follicle counts of different follicle size cohorts made using two- and three-dimensional ultrasound
S. Deb (United Kingdom) OP19.09

OP20: Outcomes in fetal growth restriction
Chairs: K. Maršá (Sweden); T. Kiserud (Norway)

Estimated fetal weight percentile predicts perinatal outcome in term, small-for-gestational-age fetuses with normal umbilical, uterine, and brain Doppler
S. Sayaved (Spain) OP20.01
Utility of uterine artery Doppler, alone or in combination with brain Doppler, in the prediction of adverse perinatal outcome in term small-for-gestational-age fetuses
R. Cruz-Martinez (Spain) OP20.02
Difference of postnatal catch-up growth in fetuses with intrauterine growth restriction according to the maternal hypertensive disease
S. Kim (Republic of Korea) OP20.03
The relationship of newborn adiposity to neonatal growth outcome based on birth weight or the neonatal growth assessment score
W. Lee (United States) OP20.04
Abdominal aorta pathologic findings in stillbirth fetuses with intrauterine growth restriction
E. Cosmi (Italy) OP20.05
Small for gestational age and relationship of abnormal umbilical artery Doppler blood flow with perinatal mortality
R. Moisiu (Albania) OP20.06
Does fetal growth cessation affect the prediction of birth characteristics?
W. Lee (United States) OP20.07
Outcome of pregnancies with severe IUGR detected by ultrasound scan before 24 weeks
S. Sankaran (United Kingdom) OP20.08
The intra- and inter-observer variability in fetal measurements by ultrasound
I. Sarris (United Kingdom) OP20.09

OP21: Developments in the first trimester scan
Chairs: F. Audibert (Canada); H. Blaas (Norway)

Low maternal levels of first-trimester PAPP-A and free β-hCG are associated with an increased risk of admission to NICU and of neonatal disease
I. Kirkegaard (Denmark) OP21.01
Measurement of the fourth ventricle at the 11-13-week scan
K. Koterova (Czech Republic) OP21.02
Efficacy of complete morphological screening for chromosomal anomalies at the time of nuchal translucency measurement
M. Bellotti (Italy) OP21.03
First trimester diagnosis of SUA - feasibility of the marker, importance in screening for aneuploidies
S. Tudorache (Romania) OP21.04
Appearance of the posterior fossa in fetuses with spina bifida between 11+3 and 13+6 weeks of gestation by three dimensional sonography
M. Scheier (Austria) OP21.05
Early detection of limb defects in first trimester ultrasound
J. Bault (France) OP21.06
Ultrasound evaluation of fetal gender at 12-14 weeks
M. Prochazka (Czech Republic) OP21.07
Three-dimensional examination of the genital tubercle by means of virtual reality
H. Bogers (Netherlands) OP21.08

* This abstract has been shortlisted as a finalist for the Alfred Kratochvil 3D abstract award. The winner will be announced at the closing ceremony.
Short oral presentations – Tuesday 20 September 2011

OP22: Labour at term

**Chairs:** J. Hobbins (United States); K. Kalache (Germany)

- Markers for labour induction success in nullipara. Do cervical length and fetal fibronectin have any predictive value?  
  *M. Theodora* (Greece)
- Comparison of clinical and sonographic parameters at labor induction  
  *F. Avila* (Chile)
- Assessment of fetal head station in nulliparous and multiparous non laboring women at term  
  *E. Vaisbuch* (Israel)
- Can the “angle of progression” as measured in nulliparous women before the onset of labor predict mode of delivery?  
  *R. Levy* (Israel)
- Correlation of intrapartum ultrasonic fetal abdominal subcutaneous and skin thickness with birthweight and delivery indices  
  *A. Fong* (United States)
- Pelvimetry by LaborPro System for the diagnosis of dystocia  
  *E. Bertucci* (Italy)
- A study about sonographic parameters to assess labor progression use three-dimensional transperineal ultrasound  
  *Q. Wu* (China)
- To evaluate the value of the determination of occipito posterior position before head engagement and risk of persistent OP and cesarean section  
  *Y. Paltiel* (Israel)

**Abstract withdrawn**

- 3D ultrasound evaluation of changes in the angle of progression in nulliparous women undergoing spontaneous vaginal and operative delivery  
  *A. Yousef* (Italy)
- 3D ultrasound evaluation of changes in the midline angle in nulliparous women undergoing spontaneous vaginal and operative delivery  
  *A. Yousef* (Italy)

OP23: New imaging technologies

**Chairs:** E. Hernandez-Andrade (Mexico); K. Baba (Japan)

- Fetal biometry: can offline measurements from 3D volumes substitute real time 2D measurements?  
  *I. Sarris* (United Kingdom)
- A pilot study of automated anatomical landmark detection for quality control purposes in the context of multicentre studies: abdominal circumference  
  *I. Sarris* (United Kingdom)
- Innovative platform for training coherent operational skills of the ultrasound equipment  
  *R. Tepper* (Israel)
- The use of MRI for standard anatomical examination of the fetus  
  *A. Millischer-Bellaiche* (France)
- Quality control of standardized 3D acquisition for the examination of the fetal head and abdomen volumes  
  *Q. Thibaud* (France)
- Second trimester ultrasound scan feasibility in obese pregnant women  
  *F. Fuchs* (France)
- A computerized courseware for the operation of ultrasound equipment uses didactic and interactive e-learning tools to deliver operation competence and insight  
  *R. Tepper* (Israel)
- Virtual bronchoscopy in the fetus  
  *H. Werner* (Brazil)
- Fetal aortic intima media thickness measurement by decomposing unprocessed radio frequency derived ultrasound wall reflection into two Gaussian pulses  
  *H. Migchels* (Netherlands)
# Wednesday 21 September - Program

<table>
<thead>
<tr>
<th>MP</th>
<th>07:15 - 07:55</th>
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<tbody>
<tr>
<td>MP</td>
<td>$35 Meet the Professor' sessions (these are not part of the main program and must be booked – see program for details)</td>
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<table>
<thead>
<tr>
<th>08:00 - 08:40</th>
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<tbody>
<tr>
<td>State of the art lecture LA Room</td>
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<tr>
<th>08:40 - 09:55</th>
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<tbody>
<tr>
<td><strong>Echocardiography screening and detailed examination</strong> LA Room</td>
</tr>
<tr>
<td><strong>Caesarian section scars and other safety issues</strong> Santa Monica</td>
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<tr>
<td><strong>Management of ovarian masses</strong> Beverly Hills</td>
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<th>10:00 - 10:45</th>
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<tr>
<td><strong>Ovarian masses</strong> Beverly Hills</td>
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<tr>
<td><strong>Normal and abnormal fetal growth</strong> Constellation</td>
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<tr>
<td><strong>Fetal anomalies: second trimester</strong> Westside</td>
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<tr>
<td><strong>Uteroplacental Doppler assessment</strong> Olympic 1</td>
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<td><strong>Fetal intervention and first trimester: obstetric case reports</strong> Olympic 2</td>
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<th>11:00 - 12:15</th>
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<td><strong>Fetal Doppler</strong> LA Room</td>
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<td><strong>Advanced sonographic assessment of the CNS</strong> Santa Monica</td>
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<td><strong>Imaging in oncologic patients</strong> Beverly Hills</td>
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<th>12:20 - 13:05</th>
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<tr>
<td><strong>Ultrasound imaging and treatment</strong> Beverly Hills</td>
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<td><strong>Fetal cardiac function</strong> Constellation</td>
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<td><strong>Perinatal outcomes and management of twin pregnancy</strong> Westside</td>
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<tr>
<td><strong>Obstetric case reports</strong> Olympic 1</td>
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<td><strong>Assuring quality in ultrasound</strong> Olympic 2</td>
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<th>13:10 - 14:10</th>
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<tr>
<td><strong>Samsung Medison satellite symposium</strong> LA Room</td>
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<th>14:15 - 15:30</th>
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<tr>
<td><strong>Fetal anomalies: second trimester</strong> LA Room</td>
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<td><strong>Preterm and term labour</strong> Santa Monica</td>
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<td><strong>Menopause</strong> Beverly Hills</td>
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<th>16:00 - 17:20</th>
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<tr>
<td><strong>Borderline findings: CNS</strong> LA Room</td>
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<td><strong>Optimising 3D/4D ultrasound</strong> Santa Monica</td>
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<td><strong>How to scan for gynecological cancer</strong> Beverly Hills</td>
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<td><strong>Monochorionic twins: managing the risks</strong> Constellation</td>
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<td><strong>Cardiac functional evaluation</strong> Westside</td>
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<td><strong>Meet the Professor’ sessions</strong> (these are not part of the main program and must be booked – see program for details)</td>
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22nd World Congress on Ultrasound in Obstetrics and Gynecology
9 – 13 September 2012, Copenhagen, Denmark

Critical dates

- **January 2012**: Registration and Call for Papers opens
- **9 April 2012**: Abstract submission and reduced rate registration deadline
  - Exhibition / sponsorship discount deadline
- **9 July 2012**: Early bird registration rate deadline
- **9 September 2012**: Onsite registration opens

Visit the ISUOG website for full details
07:15 - 07:55 ‘Meet the professor’ sessions

Entry to these sessions is NOT included in the Congress registration fee. Tickets cost $35 to include breakfast and can be booked at the registration desk if places are available. You will receive a ticket as proof of your registration, which you will need for entry to the session.

<table>
<thead>
<tr>
<th>Current issues in IUGR management</th>
<th>Constellation</th>
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<tr>
<td>A. Baschat (United States)</td>
<td>Constellation</td>
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<tr>
<th>Fetal echocardiography: anomalies of cardiac chambers</th>
<th>Westside</th>
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<td>A. Abuhamad (United States)</td>
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<tr>
<th>3D in gynecology: luxury or necessity?</th>
<th>Olympic 1</th>
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<td>J. Timor-Tritsch (United States)</td>
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<th>2nd trimester anomaly scan: what you can see and what you must see</th>
<th>Olympic 2</th>
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<tr>
<td>D. Paladini (Italy)</td>
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08:00 - 08:40 State of the art lecture

LA Room

Chair: Y. Ville (France)

The impact of molecular imaging: what are the prospects for ultrasound?

M. Phelps (United States)

08:40 - 09:55 Echocardiography screening and detailed examination

LA Room

Chairs: D. Paladini (Italy); J. Rychik (United States)

Overview

D. Paladini (Italy)

Live scan [supported by: Samsung Medison*]

J. Carvalho (United Kingdom)

Atrioventricular valve regurgitation in patients with endocardial cushion defects: from fetal to postnatal life

B. Davey; D. Thacker; J. Rychik (United States)

Discussion

09:13 The spectrum of presentations of tetrology of Fallot with absent pulmonary valve leaflet syndrome (ToF/APVLS) by fetal echocardiography

D. Wood4; S. Kabra5; S. Nicholas6; V. Seravalli7; E. El Gamal8; S. Weiner9; S. Shah0 (United States); 1 (India)

OC19.01

Discussion

09:21 Prediction of postnatal outcome of tetrology of Fallot at mid-second trimester of pregnancy

D. Escribano1; I. Herraz; M. Granados; E. Gomez Montes; J. Puente; A. Galindo Izquierdo (Spain)

OC19.03

Discussion

09:26 Perinatal cardiac tumours - management, outcome and long-term follow-up

M. Machado; N. Melo; S. Garcia; R. Andrade; V. Alcantara; C. Mariani (Brazil)

OC19.04

Discussion

09:37 Fetal cerebral blood flow predicts neurologic functioning in infants with congenital heart disease (CHD)

I. Williams; A. Tarullo; P. Grieve; A. Wilpers; M. Myers; W. Fifer (United States)

OC19.05

Discussion

09:45 Ventricular myocardial performance using Velocity Vector Imaging in fetuses and infants with congenital complete heart block

C. Saunders; K. Jayakumar (United States)

OC19.06

Discussion

09:50 Summary and close

D. Paladini (Italy)

08:40 - 09:55 Caesarian section scars and other safety issues

Santa Monica

Chairs: J. Abramowicz (United States); C. Lees (United Kingdom)

Overview

J. Abramowicz (United States)

Live scan [supported by: Siemens*]

C. Lees (United Kingdom)

The effect of power settings on obstetric ultrasound measurements

R. Sande; K. Matre; G. Eide; T. Kiserud (Norway)

OC20.01

Discussion

09:08 Assessment of sonographers’ variability in ultrasound measurements of BPD, HC, AC and FL

A. Gagnon; Z. Hodgson; M. Papsdorf; V. Nevojenljiskaia (Canada)

OC20.02

Discussion


G. Benoist; J. Bernard; Y. Ville; L. Salomon (France)

OC20.03

Discussion

09:21

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
Program – Wednesday 21 September 2011

09:24 Ultrasonographic features of Cesarean scars in non-pregnant uterus after single and multiple cesarean sections M. Zimmer; M. Pomorski; M. Tomiałowicz; A. Wiatrowski; T. Fuchs; E. Młodowicz-Nabzyk; J. Michnowicz; A. Kozioł (Poland) OC20.04

09:29 Discussion

09:32 Changes in Cesarean section scar size in the three trimesters of pregnancy O. Naji; A. Daemen; Y. Abdallah; A. Smith; A. Pexeters; C. Stalder; S. Ghaem-Maghami; D. Timmerman; T. Boume. 1(United Kingdom); 2(Belgium)

09:37 Discussion

09:40 Ultrasound findings of placenta accreta in the first trimester J. Ballas; D. Pretorius; R. Resnik; G. Ramos (United States) OC20.06

09:45 Discussion

09:48 Summary and close J. Abramowicz (United States)

08:40 - 09:55 Management of ovarian masses Beverly Hills

Chairs: T. Bourne (United Kingdom); C. Holschneider (United States)

08:40 Overview C. Holschneider (United States)

08:45 Pattern recognition for characterising ovarian pathology L. Valentin (Sweden)

09:05 Correlation between contrast transvaginal sonography and angioinvasion in ovarian mass J. Wang (China) OC21.01

09:10 Discussion

09:13 Selection of women with an ovarian tumor for surgery in specialist centers: a comparison of two triaging protocols B. Van Calster1; T. Bourne; R. Husicka; L. Valentin; A. Testa1; C. Van Holsbeke1; I. Vergote; S. Van Huffel; D. Timmerman1. 1(Belgium); 2(United Kingdom); 3(Sweden); 4(Italy)

09:18 Discussion

09:21 Ultrasound imaging compared to a multivariate predictive algorithm combining HE4 and CA 125 (ROMA®) in the pre-operative assessment of adnexal masses D. Franchi; S. Maria Teresa; B. Sara; R. Davide; S. Mario (Italy) OC21.03

09:26 Discussion

09:29 A prediction model to distinguish between benign, borderline, stage I invasive, higher stage invasive, and metastatic adnexal tumors B. Van Calster1; L. Valentin; L. Arneve1; C. Van Holsbeke1; A. Testa1; I. Vergote; S. Van Huffel; T. Boume1; D. Timmerman1. 1(Belgium); 2(United Kingdom); 3(Sweden); 4(Italy); 5(United Kingdom)

09:34 Discussion

09:37 Sonographic follow-up of unilateral >5cm and multilocular ovarian cysts <7cm in post-menopausal women: preliminary results F. Leone; A. Crepaldi; C. Marchiante; I. Cetin (Italy) OC21.05

09:42 Discussion

10:00 - 10:45 Short oral presentation (OP) sessions Beverly Hills

OP24: Ovarian masses Chairs: D. Timmerman (Belgium); A. Fleischer (United States) OP25: Normal and abnormal fetal growth Chairs: S. Eik-Nes (Norway); C. Bottomley (United Kingdom)

OP26: Fetal anomalies: second trimester Chairs: L. Silver (United States); J. Johnson (Canada) OP27: Uteroplacental Doppler assessment Chairs: D. Maulik (United States); S. Rotmensch (United States)

OP28: Fetal intervention and first trimester: obstetric case reports Chairs: P. Jepson (United States); K. Bradley (United States)

10:00 - 10:05 Coffee and poster viewing California Showroom

11:00 - 12:15 Fetal Doppler LA Room

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

11:00 Overview T. Kiserud (Norway)

11:05 Live scan [supported by: Toshiba] A. Papaioannou (United Kingdom)

11:20 Acceleration/ejection time ratio in fetal pulmonary artery predicts the development of neonatal respiratory distress syndrome S. Kim1; J. Park1; E. Norwitz2; E. Hwang3; S. Kim4; H. Kang3; C. Park3; J. Jun4; B. Yoon1. 1(Republic of Korea); 2(United States) OC22.01

11:25 Discussion

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
Program – Wednesday 21 September 2011

11:28 Validation of clinical Doppler parameters of pulmonary vascular responsivity and severity of lung hypoplasia in a fetal rat model
Y. Yamamoto; T. Bernard; V. Jain; L. Homberger (Canada)

11:33 Discussion

11:36 Longitudinal changes in intrapulmonary artery Doppler during pregnancy in fetuses with congenital diaphragmatic hernia and impact of fetoscopic tracheal occlusion
R. Cruz-Martinez; E. Hernandez-Andrade; O. Moreno-Alvarez; R. Garcia-Posada; J. Martinez; E. Grataccio (Spain)

11:41 Discussion

11:44 Fetal breathing movements increase venous drainage through the superior vena cava
M. Nyberg; S. Johnsen; S. Rasmussen; T. Kiserud (Norway)

11:49 Discussion

11:52 Comparison of placental blood flow in the third trimester of normal and diabetic pregnancy using a novel stereological 3D power Doppler technique
N. Jones; N. Raine-Fenning; E. Bradley; H. Mousa; R. Deshpande; P. Mansell; G. Bugg (United Kingdom)

11:57 Discussion

12:00 Quantitative carotid volume blood flow measurements using PW-Doppler vs transit-time perivascular flowmetry in ovine twin fetuses
S. Gruessner; H. Hertel; P. Hillemanns; C. Peter (Germany)

12:05 Discussion

12:08 Summary and close
T. Kiserud (Norway)

11:00 - 12:15 Advanced sonographic assessment of the CNS
Santa Monica

Chairs: A. Ngu (Australia); I. Timor-Tritsch (United States)

11:00 Overview
A. Ngu (Australia)

11:05 Live scan: 1st trimester CNS [supported by: Siemens*]
I. Timor-Tritsch (United States)

11:25 Fetal optic nerve sheath measurement as a potential non-invasive tool for assessment of increased intracranial pressure
K. Haratz; F. Vitkalo; D. Lev; H. Feit; L. Ben-Sira; I. Lerman-Sagie; I. Malinger. 1(Israel); 2(Brazil); 3(Chile)

11:30 Discussion

11:33 Sonographic assessment of normal transient patterns of fetal cerebral circulation
D. Pugash 1; K. Dewar1; D. Prayer2. 1(Canada); 2(Austria)

11:38 Discussion

11:41 Feasibility of including a basic evaluation of fetal cortical appearance as a routine part of the ultrasound scan during the second half of pregnancy
F. Guerra; M. Zapata; J. Mansilla; R. Gutierrez (Chile)

11:46 Discussion

11:49 Superior imaging the fetal cerebellar vermis with 3D ultrasound multiplanar reconstruction and VCI-C to obtain the mid-sagittal plane
S. Yegel; O. Shen; D. Valsky; R. Rabinowitch; Y. Zaitel (Israel)

11:54 Discussion

11:57 Fetal brain morphology and medullary vascular development
R. Pooh (Japan)

12:02 Discussion

12:05 Summary and overview
A. Ngu (Australia)

11:00 - 12:15 Imaging in oncologic patients
Beverly Hills

Chairs: A. Testa (Italy); D. Fischerova (Czech Republic)

11:00 Overview
D. Fischerova (Czech Republic)

11:05 What’s new in ovarian cancer diagnostics
B. Karlan (United States)

11:20 Evaluating the extent of cervical carcinoma
A. Testa (Italy)

11:35 Agreement between ultrasound and histopathological findings with regard to tumor size and extent of local disease in cases of early stage cervical cancer
A. Gauklika; D. Valaitiene; A. Cizakas; E. Svedas; A. Bartusevicius; S. Augustis; A. Testa. 1(Lithuania); 2(Italy)

11:40 Discussion

11:43 3D transvaginal ultrasound to assess the early chemotherapy response of locally advanced cervical cancer
G. Pemindia; M. Graziano; C. Exacoustos; F. Tomao; A. Martoccia; A. Casorelli; C. Marchetti; F. Bellati; D. Ardini; P. Falano; P. Benedetti Panici (Italy)

11:48 Discussion

11:51 Can 3D Power Doppler be used as a prognosis tool for neoadjuvant chemotherapy of cervical carcinoma?
J. Qin; W. Lu; X. Cheng; X. Xie (China)

11:56 Discussion

11:59 Ultrasound presurgical endometrial cancer
D. Scardino; A. Vimercati; M. Lorusso; A. Profeta; C. Nardelli; L. Leone; M. Abuzzese; V. Loizzi; G. Corno; L. Selvaggi (Italy)

12:04 Discussion

* Scientific content of live scan sessions is defined by ISUOG. Ultrasound systems and technical support are provided by sponsors.
* This abstract has been shortlisted as a finalist for the Alfred Kratochwil 3D abstract award. The winner will be announced at the closing ceremony.
* This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).
### 12:20 - 13:05 Short oral presentation (OP) sessions

<table>
<thead>
<tr>
<th>OP29: Ultrasound imaging and treatment</th>
<th>Beverly Hills</th>
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</thead>
<tbody>
<tr>
<td>Chairs: J. Shwayder (United States); S. Laffer-Narin (United States)</td>
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<tr>
<th>OP30: Fetal cardiac function</th>
<th>Constellation</th>
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<td>Chairs: E. Gratacos (Spain); H. Gardiner (United Kingdom)</td>
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<thead>
<tr>
<th>OP31: Perinatal outcomes and management of twin pregnancy</th>
<th>Westside</th>
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<tr>
<td>Chairs: A. Gagnon (Canada); B. Thilaganathan (United Kingdom)</td>
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<tr>
<th>OP32: Obstetric case reports</th>
<th>Olympic 1</th>
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<tr>
<td>Chairs: T. Shipp (United States); I. Timor-Tritsch (United States)</td>
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<tr>
<th>OP33: Assuring quality in ultrasound</th>
<th>Olympic 2</th>
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<tr>
<td>Chairs: C. Brezinka (Austria); T. Chudleigh (United Kingdom)</td>
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</table>

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

#### California Showroom

### 13:10 - 14:10 Samsung Medison satellite symposium**

#### LA Room

### 14:15 - 15:30 Fetal anomalies: second trimester

<table>
<thead>
<tr>
<th>Chairs: S. Eik-Nes (Norway); T. Lau (Hong Kong)</th>
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<tbody>
<tr>
<td>Overview</td>
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<tr>
<td>S. Eik-Nes (Norway)</td>
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<tr>
<td>Using second trimester markers to adjust risk assessment</td>
</tr>
<tr>
<td>B. Benacerraf (United States)</td>
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<tr>
<td>Live scan [supported by: Toshiba*]</td>
</tr>
<tr>
<td>C. Bilardo (Netherlands)</td>
</tr>
</tbody>
</table>

** Assisted reproductive technologies and fetal anomalies in singleton gestations

| C. Hillierup; R. Gutkin; N. Silverman; D. Krakow; L. Platt (United States) |
| OC25.01                                                                   |

14:58

| The impact of fetal renal pelvic diameter on postnatal outcome |
| A. Shamshirsaz; S. Ravangard; A. Shamshirzad; A. Prabulos; W. Campbell; R. Billstrom; A. Sadowski; J. Makari; F. Ferrer; K. Herbst; J. Egan (United States) |
| OC25.02                                                                   |

15:06

| Predicting adverse outcome in foetuses with gastrochisis by ultrasound markers |
| M. Kuleva; N. Khen-Dunlop; Y. Dumez; Y. Ville; L. Salomon (France) |
| OC25.03                                                                   |

15:17

| 2D sonographic evaluation of the fetal palate |
| L. Wilhelm; H. Borgers (Germany) |
| OC25.04                                                                   |

15:22

| Summary and close |
| S. Eik-Nes (Norway) |

### 14:15 - 15:30 Preterm and term labour

<table>
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<tr>
<th>Chairs: V. Berghella (United States); Z. Alfrevic (United Kingdom)</th>
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<tbody>
<tr>
<td>Pros and cons of ultrasound indicated cerclage</td>
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<tr>
<td>Z. Alfrevic (United Kingdom)</td>
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</table>

14:35

| First trimester screening for preterm birth |
| J. Stineman; L. Salomon; G. Benoist; J. Bernard; Y. Ville (France) |
| OC26.01                                                                   |

14:40

| Validating a prediction model of spontaneous preterm birth using ultrasound cervical length measurement and fetal fibronectin immunosassay |
| O. Moreno-Alvarez; S. Rosales-Ortiz; M. García-Espirosa; M. Gutiérrez-Villafuerte; J. Ayala-Mendez (Mexico) |
| OC26.02                                                                   |

14:48

| Fetal thymus and intrauterine inflammation |
| M. Kacervoys; I. Muslova (Czech Republic) |
| OC26.03                                                                   |

14:56

| Ultrasound measurement of fetal thymic transverse diameter for identification of intraamniotic infection in women with preterm prelabor rupture of membranes |
| I. Muslova; M. Kacervoys (Czech Republic) |
| OC26.04                                                                   |

15:04

| Longitudinal measurements of caesarean section scar size and residual myometrial thickness in pregnancy as predictors of scar appearance at repeat caesarean delivery |
| O. Najj; A. Daemen; Y. Abdallah; A. Smith; A. Pexsters; C. Stalder; S. Saso; S. Ghaem-Maghami; A. McIndoe; D. Timmerman; T. Bourne (United Kingdom); Belgium |
| OC26.05                                                                   |

15:12

| Ultrasonographic fetal head position to predict the outcome of delivery: a systematic review |
| C. Verhoeven; M. Rücker; B. Opmeer; E. Pajkrt; B. Mol (Netherlands) |
| OC26.06                                                                   |

15:23

| Summary and close |
| Z. Alfrevic (United Kingdom) |

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** This presentation is eligible for the Young Investigator award (to be presented at the closing ceremony).
### Program – Wednesday 21 September 2011

#### 14:15 - 15:40 Menopause

**Beverly Hills**

- **Chairs:** A. Parsons (United States); G. Chaudhuri (United States)
- **Current controversies in the menopause**
  - G. Chaudhuri (United States)
- **Thick endometrium, polyps and simple cysts in older asymptomatic women**
  - T. Bourne (United Kingdom)
- **Cancer risk and HRT**
  - A. Testa (Italy)

**OC27.01**

- **Grayscale and color Doppler ultrasound characteristics of endometrial cancer in relation to stage, grade and tumor size**
  - E. Epstein¹; C. Van Holsbeke²; F. Mascilini²; A. Måsbäck⁴; P. Kannisto⁵; L. Ameye⁶; D. Fischerova⁶; V. Vellone⁶; G. Zannoni⁴; D. Timmerman⁶; A. Testa⁴; ¹(Sweden); ²(Belgium); ³(Italy); ⁴(Czech Republic)

**15:12**

- **Discussion**

**OC27.02**

- **Early diagnosis in ovarian cancer: role of transvaginal color Doppler ultrasound, twelve years experience**
  - M. Pascual¹; B. Graupera¹; L. Hereter¹; F. Tresserra¹; M. Cusidó¹; I. Rodríguez (Spain)

**15:20**

- **Discussion**

**OC27.03**

- **Incidental ultrasound findings in the ovaries of asymptomatic premenopausal women**
  - L. Jokubkiene; P. Sladkevicius; L. Valentin (Sweden)

**15:28**

- **Discussion**

**OC27.04**

- **Ultrasound assessment of the intima and media layers on the carotid arteries in peri- and postmenopausal women**
  - F. Chantraine¹; B. Tutschek²; J. Schaaps¹; J. Foldart³; ¹(Belgium); ²(Switzerland)

**15:35**

- **Discussion**

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

**California Showroom**

#### 16:00 - 17:20 Borderline findings: CNS

**LA Room**

- **Chairs:** G. Pilu (Italy); A. Toi (Canada)
- **Live scan: multiphanar neurosonology [supported by: Samsung Madison]**
  - G. Pilu (Italy)
- **Are all former Dandy-Walker variants Blake’s pouch cysts?**
  - D. Paladini (Italy)
- **Mild ventriculomegaly and absent septum pellucidum**
  - G. Pilu (Italy)
- **When to suspect gyration abnormalities in a normal fetal brain**
  - A. Toi (Canada)

#### 16:00 - 17:20 Optimising 3D/4D ultrasound

**Santa Monica**

- **Chairs:** H. Blaas (Norway); R. Schild (Germany)
- **The outer surface**
  - E. Merz (Germany)
- **The inner core**
  - D. Pretorius (United States)
- **Live scan: Volume measurements [supported by: GE]**
  - W. Lee (United States)
- **Gynecology**
  - N. Rainie-Fenning (United Kingdom)

#### 16:00 - 17:20 How to scan for gynecological cancer

**Beverly Hills**

- **Chairs:** A. Testa (Italy); D. Timmerman (Belgium)
- **Alternative Imaging**
  - A. Testa (Italy)
- **Early and advanced cervical cancer staging. Can ultrasound replace MRI?**
  - D. Fischerova (Czech Republic)
- **Ultrasound and endometrial cancer**
  - E. Epstein (Sweden)
- **Management of pelvic mass**
  - C. Van Holsbeke (Belgium)

#### 16:00 - 17:20 Monochorionic twins: managing the risks

**Constellation**

- **Chairs:** Y. Ville (France); R. Chmait (United States)
- **Introduction**
  - Y. Ville (France)
- **Risk stratification and management of monochorionic twins**
  - K. Hecher (Germany)
- **Questions and answers**
- **The clinical spectrum of complicated monochorionic twins**
  - A. Baschat (United States)
- **Discussion**

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Program – Wednesday 21 September 2011

16:55 Fetoscopic laser ablation for severe TTTS - an update
   R. Chmait (United States)
17:05 Fetoscopic laser for stage 1 TTTS - reasons for a randomized trial
   Y. Ville (France)
17:15 Discussion

16:00 - 17:20 Cardiac functional evaluation  Westside

16:00 Cardiac function and monitoring in different conditions
   S. Yagel (Israel)
16:15 Questions and answers
16:20 Considerations for measuring cardiac function in the fetus
   E. Gratacós (Spain)
16:35 Discussion
16:40 Speckle tracking, is it feasible in the fetus
   H. Gardiner (United Kingdom)
16:55 Questions and answers
17:00 Applications of tissue Doppler: lessons learnt from fetal arrhythmias
   B. Tutschek (Switzerland)
17:15 Questions and answers

17:30 - 18:10 ‘Meet the professor’ sessions

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

Tickets cost $35 to include drinks and refreshments and can be booked at the registration desk if places are available.

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

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<th>Systematic approach to diagnosis and management of monochorionic twin complications</th>
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Systematic approach to diagnosis and management of monochorionic twin complications
E. Gratacós (Spain)

New developments in first trimester ultrasound screening
C. Bilardo (Netherlands)

Applications and common technical errors in the use of fetal Doppler
C. Brezinka (Austria)

Ultrasound in reproductive medicine
N. Raine-Fanning (United Kingdom)
OP24: Ovarian masses
Chairs: D. Timmerman (Belgium); A. Fleischer (United States)
3D procedure: immediate response for benignity or malignancy of ovarian lesions
E. Domali (Greece)
The evolution of simple ovarian cysts detected at transvaginal ultrasound examination in breast cancer patients
D. Franchi (Italy)
Value of preoperative ultrasound examination in the selection of women with adnexal masses for laparoscopic surgery
S. Reid (Australia)
Validation of pelvic masses score (PMS) in the preoperative evaluation of adnexal masses
A. Rossi (Italy)
Intra- and inter-observer reproducibility of Doppler ultrasound features in adnexal masses
L. Zannoni (Italy)
Three-dimensional volume off-line analysis as compared to real-time ultrasound for assessing adnexal masses
J. Alcazar (Spain)
Morphological and vascular ultrasound characteristics of pelvic masses of non-gynecological origin
M. Zikan (Czech Republic)
Intra- and inter-observer reproducibility of two morphological ultrasound features of adnexal masses and of ultrasound diagnosis regarding malignancy
L. Zannoni (Italy)

OP25: Normal and abnormal fetal growth
Chairs: S. Eik-Nes (Norway); C. Bottomley (United Kingdom)
Gestational age determination by last menstrual period versus crown-rump length in a United States cohort
M. Rosner (United States)
The influence of maternal body mass index and subsequent weight gain pattern on fetal growth
A. Pexsters (Belgium)
Does first trimester crown-rump length predict term birthweight?
E. Hackmon (Canada)
First trimester prediction of birth weight
L. Boucicoutras (Canada)
First trimester growth and its correlation with SGA at term
D. Pedraza (Chile)
The relationship of crown-rump length at 11 to 14 weeks to risk of large for gestational age and small for gestational age neonate
M. Rajaei (Islamic Republic of Iran)
First trimester screening and fetal growth
L. Ceausu (Romania)
3D and 3D power Doppler evaluation of the placenta at 11 weeks to 13 weeks 6 days of pregnancy improves the performance of low PAPP-A as a predictor of adverse pregnancy outcomes
A. Khurana (India)
Early fetal growth in malaria infected pregnancies
M. Rijken (Thailand)
Fetal biometrics, umbilical and uterine artery Doppler studies among malaria infected and not infected pregnant women
N. Lazebnik (United States)

OP26: Fetal anomalies: second trimester
Chairs: L. Silver (United States); J. Johnson (Canada)
Prenatal diagnosis of trisomy 18 with sonogram index scoring system
K. Hong-Ning (China)
Second and third trimester termination of pregnancy for fetal anomaly: impact of a previous caesarean section on maternal morbidity
M. Driessen (France)
Hands-on anomaly scan masterclass for obstetricians in the Netherlands
K. Prinsen (Netherlands)
Sonographic evaluation of fetal kidney parenchymal growth
E. Hadar (Israel)
The risk of IUGR in pregnancies with acute cytomegalovirus infection and confirmed viremia
D. Nowakowska (Poland)
Rates of cesarean deliveries performed for Down syndrome fetuses with and without major congenital abnormalities in the United States of America
R. Faro (United States)
Outcome of fetal renal pylectasis diagnosed during a routine second trimester screening ultrasound and a cut-off value for its progression in utero
M. Kim (Republic of Korea)
Postnatal diagnosis, treatment and follow-up of antenatal hydrenephrosis: a health care challenge
A. Shamshirsaz (United States)
Fetal nasal bone length in second trimester ultrasound is a reliable ultrasound marker to detect fetuses with trisomy 21?
A. Garede (Greece)
OP27: Uteroplacental Doppler assessment
Chairs: A. Papageorghiou (United Kingdom); S. Rotmensch (United States)
Uterine artery Doppler in a high risk population from Chile
M. Yamanoto (Chile)
Biochemical maternal serum markers alone and in combination predict extremes of Doppler abnormality (AREDV)
B. Roche (United States)
A comparison of fractional moving blood volume and 3-D vascular flow indices of the placenta in the prediction of adverse pregnancy outcomes
K. Goetzinger (United States)
Comparison of second trimester uterine artery impedance between IVF and spontaneous twins
R. Bayik (Turkey)
The need to standardise Virtual Organ Computer-aided Analysis (VOCAL) power Doppler indices to the sub-bloom gain (SBG) level
S. Collins (United Kingdom)
Does maternal psychological distress affect feto-placental volume blood flow in third trimester?
A. Helbig (Norway)
The comparison of two technical approaches for first trimester uterine artery Doppler velocimetry and correlation with mid-trimester Doppler
J. Lefebvre (Canada)
Relationship between uterine artery Doppler PI and maternal heart rate in women at risk of pre-eclampsia
OP27.08
T. Everett (United Kingdom)
Comparison of wavelet and conventional analysis of uterine artery Doppler waveforms in pre-eclampsia screening
F. D’Antonio (United Kingdom)
Relationship between uterine artery Doppler PI and augmentation index in women at risk of pre-eclampsia
T. Everett (United Kingdom)
Relationship between uterine artery Doppler PI and pulse wave velocity in women at risk of pre-eclampsia
OP27.11
T. Everett (United Kingdom)

OP28: Fetal intervention and first trimester: obstetric case reports
Chairs: P. Jeanty (United States); K. Bradley (United States)
The human fetal tail: first trimester finding leading to the detection of familial plonald sinus
E. Bornstein (United States)
Asymptomatic uterine rupture: a rare etiology for anhydramnios in the second trimester
Z. Ruben (United States)
Successfully treated fetus and mother - a case of mirror syndrome as the complication of fetal PVB19 infection
M. Debska (Poland)
Nonsurgical treatment of an abdominal pregnancy with fetal intracardiac KCl injection and systemic methotrexate therapy
N. Mills (United States)
Pleuro-atrial shunting in bronchopulmonary sequestration with fetal hydrops - outcome in three cases depending on gestational age on birth and size of the lesion
M. Debska (Poland)
Successful fetal surgery for a massive pulmonary mass due to a lobar bronchial atresia
J. Martínez (Spain)
A case of suburethral myoma of the vagina in pregnancy
Y. Kim (Republic of Korea)

OP29: Ultrasound imaging and treatment
Chairs: J. Shwayder (United States); S. Laifer-Narin (United States)
2D/3D color Doppler and contrasted sonography of ovarian masses
A. Fleischer (United States)
Research on contrast-enhanced sonography and enhanced MRI for evaluation of treatment effect of microwave ablation for hysteroscopic
L. Feng (China)
Identification of parametria by 2D-3D ultrasound in patients with cervical cancer: new perspectives and future applications
G. Perinelli (Italy)
Teaching and self-study of gynecologic ultrasound: the role of virtual reality
B. Tutschek (Switzerland)
3D ultrasound in diagnosis of uterine mullerian duct anomalies
Y. Derbala (Egypt)
Pulsatility index evaluated by STIC three-dimensional power Doppler ultrasonography: description of the technique and evaluation of reproducibility
N. Raine-Fenning (United Kingdom)
Defining the role of 3D ultrasound in the assessment of uterine shape
S. Chuang (Australia)
3D-transvaginal sonography by VCI analysis to differentiate endometrial polyp and hyperplasia in pre-menopausal women
F. Leone (Italy)
Prediction of the need for morcellation at total laparoscopic hysterectomy (TLH) from pre-operative 3-D volumetric ultrasound-estimated uterine weight and parity
S. Winder (Australia)
Short oral presentations – Wednesday 21 September 2011

OP30: Fetal cardiac function

Chairs: E. Gratacós (Spain); H. Gardiner (United Kingdom)

Speckle tracking detects reduced myocardial strain in fetal congenital heart disease
H. Gardiner (United Kingdom)
Cardiac valve annular motion by M-mode and tissue Doppler for assessment of cardiac dysfunction in small-for-gestational-age fetuses
M. Cruz Lemini (Spain)
The Tei index in fetuses of diabetic mothers
K. Ichinaka (Japan)
Fetal cardiac structure and function in pregestational and gestational diabetes
H. Duong (United States)
Fetal tricuspid annular plane systolic excursion (F-TAPSE) evaluation in healthy fetuses
S. Yogel (Israel)
Feasibility of strain and strain-rate analysis of the fetal heart by tissue Doppler and 2D speckle tracking imaging
M. Cruz Lemini (Spain)
Comparison between fetal-TAPSE measurement by STIC-M-mode and conventional M-mode
S. Yogel (Israel)
Fetal cardiac function by tissue Doppler imaging in fetuses with and without congenital heart disease
D. Albert (Spain)
Assessment of fetal atrioventricular time intervals by dual Doppler in hepatic vein and descending aorta
T. Kawai (Japan)
Left heart ejection fraction assessed by 4D ultrasound using STIC: observation of 265 normal fetuses
C. Simioni (Brazil)

OP31: Perinatal outcomes and management of twin pregnancy

Chairs: A. Gagnon (Canada); B. Thilaganathan (United Kingdom)

Presentation of twins at delivery compared to ultrasound at 32,34 and 36 gestational weeks
K. O’Donoghue (Ireland)
Aortic intima media thickness in twin pregnancies affected by selective intrauterine growth restricted and small for gestational age co-twin
E. Cosmi (Italy)
Comparative outcomes in monochorionic and dichorionic twin pregnancies with active fetal surveillance and intervention
C. Ratha (India)
Marginal umbilical cord insertion in sIUGR monochorionic twins does not correlate with TTTS and optimal timing of delivery avoid adverse perinatal outcome
E. Cosmi (Italy)
MCMA twin: can delivery be considered at 35 weeks onwards
P. Singh (United Kingdom)
Pregnancy complications and neonatal outcome in spontaneous and assisted reproductive twin pregnancies
E. Cosmi (Italy)
Prenatal ultrasonographic diagnosis of cerebral injury in twin pregnancy
K. Chen (China)
Delayed delivery of multiple gestations: maternal and neonatal outcomes
H. Kang (Republic of Korea)
Systematic labelling of twin pregnancies on ultrasound: limitations and guidance
T. Dias (United Kingdom)

OP32: Obstetric case reports

Chairs: T. Shipp (United States); I. Timor-Tritsch (United States)

Prenatal diagnosis of a facial fetal rhabdomyosarcoma
F. Morales Caballero (Mexico)
Prenatal diagnosis of right diaphragmatic evagination associated with fetal hydrops
E. Tarin (Turkey)
Laryngotracheoesophageal cleft and congenital diaphragmatic hernia: a rare association of two life-threatening anomalies
F. Gray (United States)
Isolated ventriculocoronalary fistula: prenatal diagnosis
M. Zaneth (Brazil)
Prenatal diagnosis of neonatal Marfan syndrome
D. Escribano (Spain)
Prenatal diagnosis of Carpenter syndrome at 16 weeks: role of 3D ultrasound
G. Bekdache (United Arab Emirates)
Subependymal heterotopia: US and MR diffusion tensor imaging
B. Matarrelli (Italy)
OP33: Assuring quality in ultrasound

Chairs: C. Brezinka (Austria); T. Chudleigh (United Kingdom)

A different and even better way of doing your measures on 4D View software
C. Simioni (Brazil)

The activities which make up a routine obstetric ultrasound examination
T. Chudleigh (United Kingdom)

Visibility and dimensions of caesarean section scars in pregnancy - an interobserver variability study
A. Smith (United Kingdom)

Sonographic findings on first trimester CRL growth by using maternal variables (BMI)
E. Ancuta (Romania)

The sonographic measurement of postpartum lower uterine segment thickness after intrauterine Bakri balloon tamponade
H. Kwon (Republic of Korea)

Where are the limits of accuracy for fetal weight estimation with two-dimensional parameters?
S. Kehl (Germany)

How is the orientation and magnitude of a CRL measurement used to estimate fetal gestation affected by ultrasound machines variability?
C. Lees (United Kingdom)

Olympic 2

OP33.01
OP33.02
OP33.03
OP33.04
OP33.05
OP33.06
OP33.07

* This abstract has been shortlisted as a finalist for the Alfred Kratochwil 3D abstract award. The winner will be announced at the closing ceremony.
# Thursday 22 September - Program

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<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tr>
<td>07:15 - 07:55</td>
<td>Meet the Professor’ sessions (these are not part of the main program and must be booked – see program for details)</td>
<td></td>
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<tr>
<td>08:00 - 08:40</td>
<td>State of the art lecture</td>
<td>LA Room</td>
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<tr>
<td>08:40 - 09:55</td>
<td>Aneuploidy and fetal anomalies: second trimester</td>
<td>LA Room</td>
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<tr>
<td></td>
<td>Imaging and urogynecology</td>
<td>Santa Monica</td>
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<tr>
<td></td>
<td>Assessing fetal health</td>
<td>Beverly Hills</td>
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<tr>
<td>10:00 - 10:45</td>
<td>Urogynecology and pelvic floor</td>
<td>Santa Monica</td>
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<tr>
<td></td>
<td>Detection of congenital cardiac defects</td>
<td>Olympic 2</td>
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<td>Fetal Doppler</td>
<td>Constellation</td>
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<tr>
<td></td>
<td>Second trimester malformations</td>
<td>Westside</td>
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<tr>
<td></td>
<td>Aneuploidy and fetal anomalies: first trimester</td>
<td>Olympic 1</td>
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<tr>
<td>11:00 - 12:15</td>
<td>A mock trial: wrongful administration of Methotrexate with a subsequent fetal anomaly</td>
<td>LA Room</td>
</tr>
<tr>
<td>12:15 - 12:30</td>
<td>Closing plenary: Presentation of awards &amp; Welcome to Copenhagen!</td>
<td>LA Room</td>
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<tr>
<td>12:30 - 14:15</td>
<td>Lunch and closing drinks</td>
<td>California Lounge</td>
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ISUOG Education 2011

Advanced course in gynecological ultrasound II: Oncology & urogynecology

Course director: Tom Bourne (UK)

Dates: 2 – 3 December 2011

Location: RCOG, 27 Sussex Place
Regent’s Park, London
NW1 4RG, UK

Fees: £270 (includes lunch and refreshments)
10% discount for ISUOG & RCOG members

Program & CME:
Full program available on the ISUOG website
CME credits will be applied for

Registration & contact:
Register online at www.isuog.org
E: congress@isuog.org  T: +44 (0)20 7471 9955
07:15 - 07:55  ‘Meet the professor’ sessions

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

Tickets cost $35 to include breakfast and can be booked at the registration desk if places are available.

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

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<tr>
<th>08:00 - 08:40</th>
<th>State of the art lecture</th>
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<td>08:00</td>
<td>Chair: A. Tabor (Denmark)</td>
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<tr>
<td></td>
<td>Ultrasound and ovarian cancer</td>
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<td>D. Timmerman (Belgium)</td>
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<table>
<thead>
<tr>
<th>08:40 - 09:55</th>
<th>Aneuploidy and fetal anomalies: second trimester</th>
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<td></td>
<td>Chairs: D. Krakow (United States); J. Hyett (Australia)</td>
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<tr>
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<td>Overview</td>
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<tr>
<td>08:40</td>
<td>D. Krakow (United States)</td>
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<tr>
<td>08:45</td>
<td>Live scan [supported by: Samsung Medison*]</td>
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<tr>
<td></td>
<td>L. Platt (United States)</td>
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<tr>
<td>09:00</td>
<td>The thymic-thoracic ratio: a simple quotient for detecting fetuses at high risk for microdeletion 22q11</td>
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<td></td>
<td>R. Chauvet; K. Heiling; A. Sarut Lopez; G. Thiel; K. Karl (Germany)</td>
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<tr>
<td>09:05</td>
<td>Discussion</td>
</tr>
<tr>
<td>09:08</td>
<td>BACs on beads: a clue to ultrasound findings</td>
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<tr>
<td></td>
<td>L. Sonnier; T. Popowski; P. Bounanna; L. Loeulliet; B. Leroy; F. Vialard; D. Molina-Gomes; J. Roume; J. Bault (France)</td>
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<tr>
<td>09:13</td>
<td>Discussion</td>
</tr>
<tr>
<td>09:16</td>
<td>Whole-genome SNP array analysis in routine prenatal diagnosis of chromosomal abnormalities - a one-year experience</td>
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<tr>
<td></td>
<td>M. Hynek; M. Trkova; V. Becvarova; J. Horaček; M. Putzova; E. Kalovanky; M. Matouskova; D. Smetanova; V. Krutílková; M. Hajfmanková; D. Raskova; E. Hlaváčová; D. Stejskal (Czech Republic)</td>
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<tr>
<td>09:21</td>
<td>Discussion</td>
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<td>09:24</td>
<td>Isolated single umbilical artery: is it an indication for prenatal karotyping?</td>
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<td>K. Yusupov; I. Ryabov (Russian Federation)</td>
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<tr>
<td>09:29</td>
<td>Discussion</td>
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<tr>
<td>09:32</td>
<td>Does serotonin transporter gene polymorphism influence the maternal psychological reaction shortly after sonographic detection of fetal anomaly?</td>
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<td></td>
<td>A. Kaasen; A. Heibig; A. Heiberg; K. Eiklid; T. Næs; U. Mat; G. Haugen; (Norway); (Denmark)</td>
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<tr>
<td>09:37</td>
<td>Discussion</td>
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<tr>
<td>09:40</td>
<td>Potential role and clinical impact of noninvasive prenatal testing by massively parallel DNA sequencing of maternal blood</td>
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<td>A. Sehnek; L. Platt; A. Abuhamad; R. Rava (United States)</td>
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<tr>
<td>09:45</td>
<td>Discussion</td>
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<tr>
<td>09:48</td>
<td>Summary and close</td>
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<td></td>
<td>D. Krakow (United States)</td>
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<thead>
<tr>
<th>08:40 - 09:55</th>
<th>Imaging and urogynecology</th>
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<tr>
<td>08:40</td>
<td>Chairs: J. Deprest (Belgium); D. Pretorius (United States)</td>
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<tr>
<td>08:45</td>
<td>Overview</td>
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<tr>
<td></td>
<td>J. Deprest (Belgium)</td>
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<tr>
<td>08:50</td>
<td>What you need to know about pelvic floor anatomy</td>
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<tr>
<td></td>
<td>D. Pretorius (United States)</td>
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<tr>
<td>09:00</td>
<td>Live scan: Demonstrating the 4D view and pelvic floor oncology [supported by: Siemens*]</td>
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<tr>
<td></td>
<td>H. Dietz (Australia)</td>
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<tr>
<td>09:15</td>
<td>The association between stress urinary incontinence and perineal ultrasound parameters representing bladder neck mobility and hiatus dimensions</td>
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<td></td>
<td>A. Van Veelen; K. Schweitzer; H. Bontje; H. Van Der Vaart (Netherlands)</td>
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<tr>
<td>09:20</td>
<td>Discussion</td>
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<tr>
<td>09:23</td>
<td>Do women notice the effect of levator trauma?</td>
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<td>H. Dietz; S. Langer; K. Shek (Australia)</td>
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<tr>
<td>09:28</td>
<td>Discussion</td>
</tr>
<tr>
<td>09:31</td>
<td>Does levator trauma ‘heal’?</td>
</tr>
</tbody>
</table>

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

^ This abstract has been shortlisted as a finalist for the Alfred Kratochwil 3D abstract award. The winner will be announced at the closing ceremony.
### Program – Thursday 22 September 2011

**08:40 - 09:55** Assessing fetal health  
*Bevery Hills*

**09:36**  Discussion

**09:39** Risk factors for levator avulsion trauma in women with obstetric anal sphincter injuries  
*V. Eisenberg; S. Brecher; I. Yodfat; G. Bitman; R. Achiron; E. Schiff; M. Alcalay (Israel)*

**09:44** Discussion

**09:47** Should mesh be used with Anterior Colporrhaphy?  
*V. Wong; K. Shek; A. Rane; J. Goh; H. Dietz (Australia)*

**09:52** Discussion

**12:00 - 13:00** Lunch and closing drinks

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
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</table>
| 08:40 | Assessing fetal health near term  
*B. Thilaganathan (United Kingdom)* |
| 09:00 | Perinatal outcome of mildly decreased amniotic fluid index (AFI) in the early third trimester  
*K. Hashimoto; T. Kasdaglis; C. Sharoky; S. Jain; S. Turan; K. Atkins; J. Kopelman; C. Harman; A. Baschat (United States)* |
| 09:05 | Discussion |
| 09:08 | Discrepancy in Doppler waveforms between two umbilical arteries in high-risk pregnancies  
*J. Park; J. Jun; C. Park; J. Park; B. Yoon; H. Syn (Republic of Korea)* |
| 09:13 | Discussion |
| 09:16 | Cerebroterine Doppler ratio: a predictor of third trimester stillbirth  
*T. Kasdaglis; S. Jain; C. Sharoky; A. Binstock; K. Hashimoto; K. Atkins; S. Turan; J. Kopelman; C. Harman; A. Baschat (United States)* |
| 09:21 | Discussion |
| 09:24 | Early treatment of gestational diabetes and obstetric adverse outcome prevention  
*B. Materelli; E. Vitacolonna; M. D’Angelo; G. Pavone; C. Celentano (Italy)* |
| 09:29 | Discussion |
| 09:32 | The value of fetal home monitoring in addition to routine ultrasound follow-up in pregnancies complicated by fetal gastrochisis  
*M. Kuleva; N. Khen-Dunlop; G. Benoist; Y. Dumez; Y. Ville; I. Salmon (France)* |
| 09:37 | Discussion |
| 09:40 | Integrated surveillance predicts deterioration in fetal gastrochisis  
*T. Kasdaglis; C. Sharoky; S. Jain; K. Hashimoto; S. Turan; K. Atkins; J. Kopelman; C. Harman; A. Baschat (United States)* |
| 09:45 | Discussion |
| 09:48 | Summary and close  
*B. Thilaganathan (United Kingdom)* |

**10:00 - 10:45** Short oral presentation (OP) sessions  
*Santa Monica*

**OP34:** Urogynecology and pelvic floor  
*Chairs: D. Pretorius (United States); H. Dietz (Australia)*

**OP35:** Detection of congenital cardiac defects  
*Chairs: J. Carvalho (United Kingdom); J. Espinoza (United States)*

**OP36:** Fetal Doppler  
*Chairs: E. Cosmi (Italy); D. Maulik (United States)*

**OP37:** Second trimester malformations  
*Chairs: D. Nyberg (United States); K. Baba (Japan)*

**OP38:** Aneuploidy and fetal anomalies: first trimester II  
*Chairs: E. Mez (United States); L. Gindes (Israel)*

**10:30 - 11:00** Coffee and e-poster viewing  
*California Showroom*

**11:00 - 12:15** A mock trial: wrongful birth  
*LA Room*

**Chair and Clerk of the Court:** L. Platt (United States)

**Judge:** J. Shwayder (United States)

**Plaintiff Attorney:** S. Loggans, Esq (United States)

**Defense Attorney:** D. O’Keefe, Esq (United States)

**Expert witnesses:** K. Barnhart (United States), G. Cordous (United States), G. DeVore (United States), M. Porto (United States) & others TBC

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>11:00</td>
<td>Overview and explanation of the case</td>
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<tr>
<td>11:05</td>
<td>Opening statements from the attorneys</td>
</tr>
<tr>
<td>11:10</td>
<td>Expert witnesses in radiology, gynecology and perinatology; cross examination for the defence and plaintiff</td>
</tr>
<tr>
<td>12:00</td>
<td>Closing arguments</td>
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<tr>
<td>12:05</td>
<td>Audience vote and verdict; explanation of real case outcome</td>
</tr>
</tbody>
</table>

**12:15 - 12:30** Closing ceremony  
*LA Room*

**Chairs:** L. Platt (United States); A. Tabor (Denmark)

**12:15** Presentation of award: Young Investigator award; Alfred Kratochwil 3D award; best presentations  
*E. Gratacos (Spain)*

**12:25** Welcome to Copenhagen!  
*A. Tabor (Denmark)*

**12:30 - 14:15** Lunch and closing drinks  
*California Lounge*
Short oral presentations – Thursday 22 September 2011

OP34: Urology and pelvic floor
Santa Monica
Chairs: D. Pretorius (United States); H. Dietz (Australia)

Tomographic imaging of the pelvic floor in nulliparous women: limits of normality
H. Dietz (Australia)
OP34.01

Multicompartamental 3D ultrasonography of pelvic floor workshop (including endovaginal and endoanal)
S. Shobeiri (United States)
OP34.02

III* or IV* intrapartum anal sphincter tears are a significant risk factor for levator ani trauma
S. Yakel (Israel)
OP34.03

Determination of residual urine volume by translabial ultrasound
H. Dietz (Australia)
OP34.04

Obstetric anal sphincter injury - how does a subsequent delivery affect long term outcome?
V. Eisenberg (Israel)
OP34.05

The birthmark of instrumental deliveries
V. Eisenberg (Israel)
OP34.06

Levator ani muscle injury after first delivery in Chinese primiparous women
S. Chan (Hong Kong)
OP34.07

Building a wellness reference biometry of levator hiatus of Chinese women using 3D ultrasound imaging
J. Qin (China)
OP34.08

Ultrasonographic scan evaluation of synthetic mesh used for vaginal cystocele repair comparing two techniques at 1 year follow up
F. Mousty (France)
OP34.09

Rate of incontinence at long follow-up of women after III* and IV* intrapartum sphincter tears with normal ultrasound, are similar to women following normal delivery
S. Yakel (Israel)
OP34.10

OP35: Detection of congenital cardiac defects
Olympic 2
Chairs: J. Carvalho (United Kingdom); J. Espinoza (United States)

Prenatal findings in fetuses diagnosed with isolated total anomalous pulmonary venous return
J. Stirnemann (France)
OP35.01

Prenatal detection of congenital heart defects is hampered by overweight and obesity: review on 19,687 pregnant women
A. Schroer (Germany)
OP35.02

Fetal cardiac rhabdomyoma: short-term and long-term outcome
K. Lee (Republic of Korea)
OP35.03

1st trimester detection of congenital heart defects during routine nuchal translucency screening: a prospective study
G. DeVore (United States)
OP35.04

Accuracy of antenatal fetal cardiac diagnoses in a tertiary fetal medicine unit
D. Howe (United Kingdom)
OP35.05

Detection of major fetal heart defects with routine use of colour Doppler
C. Heien (Norway)
OP35.06

In vitro fertilization does not predict fetal diagnosis of congenital heart disease
J. Votava-Smith (United States)
OP35.07

How good are we in prenatal diagnosis of congenital heart disease in Lebanon?
R. Abu-Rustum (Lebanon)
OP35.08

Ultrasound diagnosis of fetal aortic arch anomalies
Y. Yuan (China)
OP35.09

Pulmonary atresia/critical stenosis with intact ventricular septum: prediction of outcome in the second trimester of pregnancy
E. Gomez-Montes (Spain)
OP35.10

OP36: Fetal Doppler
Constellation
Chairs: E. Cosmi (Italy); D. Maulik (United States)

Longitudinal changes in middle cerebral artery Doppler in fetuses requiring postnatal therapy of haemolytic disease
M. Palko (Czech Republic)
OP36.01

Correlation between cerebral blood perfusion by fractional moving blood volume and the degree of fetal anemia in maternal red-cell alloimmunization
R. Cruz-Martinez (Spain)
OP36.02

Time-related analysis of ductus venosus flow velocity waveforms in normal fetuses and intrauterine growth restriction
D. Tachibana (Japan)
OP36.03

Fetal hepatic vascularization with three dimensional power doppler in intrauterine growth restricted fetuses
S. Molina (Colombia)
OP36.04

Difference in pre-pregnancy arterial stiffness in women with previous severe pre-eclampsia/ IUGR and women with prior normal pregnancies
A. Mahendru (United Kingdom)
OP36.05

Antenatal characteristics and indications for delivery in intermittent absent end diastolic velocity
J. Rosner (United States)
OP36.06

A novel method of true global fetal perfusion measurement from three-dimensional color Doppler data with the PixelFlux-technique
T. Scholbach (Germany)
OP36.07

Three dimensional cerebroplacental ratio (CPR 3DPDA): a proposal of a new parameter for the antenatal surveillance in IUGR fetuses
A. Rossi (Italy)
OP36.08

Changes in amniotic fluid and umbilical cord serum proteomic profiles in fetuses with intrauterine growth restriction and Doppler velocimetry abnormalities
E. Cosmi (Italy)
OP36.09

* This abstract has been shortlisted as a finalist for the Alfred Kratochvil 3D abstract award. The winner will be announced at the closing ceremony.
Short oral presentations – Thursday 22 September 2011

Evaluation of fetal cerebral blood flow perfusion using power Doppler ultrasound angiography (3D-PDA) in normal and growth-restricted fetuses (IUGR)
A. Rossi (Italy)

OP37: Second trimester malformations
Westside
Chairs: D. Nyberg (United States); K. Baba (Japan)
Increasing diagnostic accuracy of facial cleft at anomaly scan using 2D ultrasound, correlation with chromosomal anomalies and feeding outcome - a 5 year audit
S. Gaur (United Kingdom)
A comparison of 3D ultrasound and magnetic resonance imaging in 25 fetuses with suspected anomalies
H. Werner (Brazil)
Primary or delayed omphalocele closure prediction in the second trimester of pregnancy
N. Peters (Netherlands)
Multidisciplinary prediction on likelihood of primary closure for an omphalocele
N. Peters (Netherlands)
The perinatal outcome of cleft lip/palate
H. Samarage (United Kingdom)
Measurement of fetal urine production rate by three-dimensional ultrasonography in fetuses with congenital heart disease and hydronephrosis
J. Xie (China)
Paternal psychological response shortly after ultrasonographic detection of structural fetal anomaly
A. Kaasen (Norway)
Quality of three-dimensional (3D) volume datasets for examination of the fetal secondary palate at the midgestational anatomy scan
W. Sepulveda (Chile)
A score-based approach for prenatal staging of congenital diaphragmatic hernia
J. Stirnemann (France)

OP38: Aneuploidy and fetal anomalies: first trimester II
Olympic 1
Chairs: E. Merz (United States); L. Gindes (Israel)
A novel, simple technique for the diagnosis of micrognathia in the first-trimester: identification of the receding chin on the retromental triangle (RNT) view
W. Sepulveda (Chile)
Diagnóstic techniques and criteria for first trimester conjoined twin evaluation
L. Baken (Netherlands)
Outcome of fetal exomphalos diagnosed at 11-14 weeks of gestation
A. Khalil (United Kingdom)
New aids to the prenatal diagnosis of thanatophoric dysplasia
A. Khalil (United Kingdom)
Prognostic value of first trimester nuchal translucency in isolated congenital diaphragmatic hernia
J. Stirnemann (France)
OEIS and LBWC, two distinct fetal anomalies or a spectrum of a common underlying pathway of pathogenesis
L. De Catte (Belgium)
Intracranial translucency (IT) and posterior brain at 11-14 weeks in fetuses with opened spina bifida: an update
R. Cheouli (Germany)
Abdominal wall defects: evaluation of 20 cases at a tertiary care center
E. Tarim (Turkey)

E-poster viewing thanks to an unrestricted education grant from Philips
Search in seconds for any poster at any time during the Congress!

- All posters submitted (OP & P) may be viewed as single PowerPoint slides at any time throughout the Congress on the E-poster viewing terminals in the California Lounge.
- You can search by author, subject, title or poster number to view any poster that may interest you in the program.
- You can also send your questions or comments to authors, or arrange to meet using our NEW integrated e-mail facility on the e-poster terminals.
Electronic posters at a glance

E-posters (P) are available for viewing throughout the Congress on the electronic poster terminals in the California Lounge. You can also send questions or comments to authors using our NEW integrated e-mail facility. E-posters are subject categorised in the following pages.

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<td>Case reports in fetal neurosonography and CNS anomalies</td>
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<td>Case reports in fetal echocardiography and CHD</td>
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<td>Aneuploidy and fetal anomalies: first trimester</td>
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<td>Case reports in aueoploidy and fetal anomalies: first trimester</td>
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<td>Case reports in aueoploidy and fetal anomalies: second trimester</td>
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ISUOG Education 2012

Fetal anomalies & echocardiography: advanced sonographic techniques

Course directors:
Rabih Chaoui (Germany), Dario Paladini (Italy), Gianluigi Pilu (Italy), Yves Ville (France)

Dates:
17 – 18 February 2012

Location:
Paris, France

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P01: Advanced ultrasound and MRI evaluation of the CNS
The study of normal fetal cerebellum volume measured by using virtual organ computer aided analysis of three-dimensional ultrasound
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V. Friso u (Czech Republic)  P01.06

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Reference ranges of fetal length and area of corpus callosum by three-dimensional ultrasonography
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S. Shobeiri (United States)  P32.06

Can the levator hiatus be reduced surgically?
H. Dietz (Australia)  P32.07

P33: Advances in imaging

Can fibroids be demonstrated on 3-dimensional elastography?
E. Neale (United Kingdom)  P33.01

Interobserver agreement on reporting breast density using extended view ultrasound imaging (XTD-view)
D. Pretz (Brazil)  P33.02

Researching female malignancies via ISUOG 2010 guidelines
E. Domali (Greece)  P33.03

Non-gynaecological pathology diagnosed with transvaginal ultrasound (TVU)
L. Bonino (Italy)  P33.04

Effects of the breast ultrasound types for detection of mammary lesion in females
D. Zhang (China)  P33.05

Application of contrast-enhanced ultrasound in diagnosis of uterine cavity abnormalities
J. Weiing (China)  P33.06

Evaluation of ovarian vascularization in the diagnosis of polycystic ovary syndrome by three-dimensional power Doppler ultrasonography
H. Park (Republic of Korea)  P33.07

Elastography as a selecting tool for the endometrial biopsy in perimenopausal women with a suspicion of the endometrial hyperplasia
K. Priez (Poland)  P33.08

Vascularogenic mimicry, microvessel density, three-dimensional high-definition color Doppler flow assessment in malignant ovarian tumors: a preliminary experience
A. Czekierdowski (Poland)  P33.09

ImageJ system: a novel technique to identify cervical lesions
E. Domali (Greece)  P33.10

Study of ultrasound-targeted microbubble destruction associated with RNA: techniques to induce cervical cancer cell apoptosis and inhibit proliferation in vivo
Z. Chez (China)  P33.11

P34: Gynecology case reports

Secondary tubal haemorrhage in an abdominal ectopic pregnancy
O. Thomsen (United Kingdom)  P34.01

A case of congenital toxoplasmosis stillbirth diagnosed at ultrasonography and at autopsy finally with the incidence of congenital toxoplasmosis stillbirth calculated from the autopsy database and vital statistics
T. Hoshino (Japan)  P34.02

An unusual presentation of ectopic pregnancy following IVF - Ovarian ectopic pregnancy with Normal β HCG
S. Singh (United Kingdom)  P34.03

Successful pregnancy post laparoscopic management of adnexal torsion at 7 weeks of pregnancy and luteal corpus removed
J. Alves (Brazil)  P34.04

Intraoperative use of ultrasound for assisting the diagnosis and management of localised uterine adenomyoma
M. Mohan (United Kingdom)  P34.05

Difficulties in the diagnosis of a large intramyometrial abscess
A. Kua (Singapore)  P34.06

Diagnosis of a communicating, non-functioning, rudimentary uterine horn with hysterosonography and 3D ultrasound
A. Emri (United States)  P34.07

Leiomyoma and adenomyosis lesions appearing malignant in young patient
E. Domali (Greece)  P34.08

The use of three dimensional (3D) ultrasound in early diagnosis of sextuplet pregnancy
E. Zohav (Israel)  P34.09

Diagnostics and treatment of uterine artery pseudoaneurysm, appeared after artificial abortion: a case report
L. Tereguleva (Russian Federation)  P34.10

Endometriosis in posterior fornix of the vagina diagnosed by transvaginal ultrasonography by free hand real-time elastography: a case report
S. Worniak (Poland)  P34.11

The use of laparoscopic ultrasound in an unusual case of bilateral ectopic pregnancies: a case report
A. Wong (Hong Kong)  P34.12
GE Women’s Health Ultrasound

Ultrasound excellence.
For more than three decades Voluson has been a leader in women’s health imaging. For 20 years, ViewPoint has provided ultrasound IT innovation.

Building on our success we have continued to listen to you. We’ve expanded our offerings into impactful solutions tailored to meet virtually any budgetary and clinical need. Systems. Transducers. Scanning technologies. Ultrasound IT. Service. Education. Financing.

Visit booth #16 to experience the history of Voluson ultrasound, and see today’s innovations in the Pavilion on the Plaza level.
Exhibition & sponsorship

Satellite symposia

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<th>Wednesday 21 September</th>
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<tr>
<td>LA Room</td>
<td>GE Healthcare</td>
<td>SIEMENS</td>
<td>SAMSUNG MEDISON</td>
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<tr>
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<td>Satellite symposium</td>
<td>13:10 - 14:10</td>
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Hospitality suites

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<tbody>
<tr>
<td>Plaza Pavilion</td>
<td>GE Healthcare</td>
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<tr>
<td>(Plaza level)</td>
<td>VolusonClub lounge &amp; hospitality room</td>
<td>(don’t forget your VolusonClub member card)</td>
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<tr>
<td>Pacific Palisades room</td>
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<tr>
<td>Brentwood room</td>
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<td>(California Level)</td>
<td>Siemens Medical</td>
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<td>Hospitality &amp; demonstration sessions</td>
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<tr>
<td>Westwood room</td>
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<tr>
<td>(California Level)</td>
<td>Verinata Health</td>
<td>Philips Healthcare</td>
<td>Toshiba Medical Systems</td>
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<td>Hospitality &amp; demonstration sessions</td>
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Exhibition opening times

<table>
<thead>
<tr>
<th>Room</th>
<th>Sunday</th>
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<tbody>
<tr>
<td>California Showroom</td>
<td>16:00 - 16:50</td>
<td>10:00 - 17:00</td>
<td>10:00 - 17:00</td>
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## Exhibitor listing

<table>
<thead>
<tr>
<th>Company</th>
<th>Stand no.</th>
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</thead>
<tbody>
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<td>The American Registry for Diagnostic Medical Sonography (ARDMS)</td>
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<td>astraia software gmbh</td>
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<tr>
<td>Center for Fetal Diagnosis &amp; Treatment at The Children’s Hospital of Philadelphia</td>
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<td>CHISON Medical Imaging Co.,Ltd</td>
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<td>CIVCO Medical Solutions</td>
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<td>Cook Medical</td>
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<td>Digisonics</td>
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<td>Elsevier</td>
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<td>Fetal Medical Foundation (FMF)</td>
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<tr>
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<td>California Showroom</td>
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<td>Hitachi Aloka Medical</td>
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<td>Lippincott Williams &amp; Wilkins</td>
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<td>PerkinElmer Inc.</td>
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<td>Philips Healthcare</td>
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<td>Samsung Medison</td>
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<td>Scan Trainer</td>
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<tr>
<td>Shenzhen Mindray Bio-Medical Electronics Co., Ltd.</td>
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<td>Siemens AG</td>
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<td>Texas Children’s Fetal Center</td>
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<td>Toshiba America Medical Systems</td>
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<tr>
<td>Ultrasound Manager</td>
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<td>Vasa Previa</td>
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<tr>
<td>Verinata Health Inc</td>
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<tr>
<td>Vision Chips, Inc.</td>
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<td>Watson Pharma, Inc.</td>
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<tr>
<td>Wiley Blackwell</td>
<td>ISUOG Lounge, California Showroom</td>
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<tr>
<td>ZONARE Medical Systems, Inc.</td>
<td>02</td>
</tr>
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</table>
## Hospitality suites

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<thead>
<tr>
<th>Room</th>
<th>Monday 19 September</th>
<th>Tuesday 20 September</th>
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<tbody>
<tr>
<td>Plaza Pavilion</td>
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<td>GE Healthcare</td>
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<tr>
<td>(Plaza level)</td>
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<td></td>
<td>VolusonClub lounge &amp; hospitality room</td>
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<tr>
<td></td>
<td>Visit the GE Pavilion to experience today’s Voluson and ViewPoint innovations. You can</td>
<td></td>
<td>See GE newest imaging product Vcscan. GE Voluson customers are also invited to attend the</td>
</tr>
<tr>
<td></td>
<td>attend educational seminars, learn about Voluson and ViewPoint recent enhancements,</td>
<td></td>
<td>VolusonClub where you can relax, browse the internet and network with colleagues.</td>
</tr>
<tr>
<td></td>
<td>and see GE newest imaging product Vcscan. GE Voluson customers are also invited to</td>
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<td></td>
<td>attend the VolusonClub where you can relax, browse the internet and network with</td>
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<td></td>
<td>colleagues.</td>
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<td>Pavillion</td>
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<td>Smart tool and imaging in gynecology</td>
<td>Smart tool and imaging in obstetrics</td>
<td>Smart tool and imaging in obstetrics</td>
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<tr>
<td>Pacific Palisades</td>
<td>10:30 – 11:00 Application of 3CXI Multi-Slice View in Fetal Echocardiography</td>
<td>10:30 – 11:00 The first trimester assessment: VolumeNT &amp; IT</td>
<td>10:30 – 11:00 The first trimester assessment: VolumeNT &amp; IT</td>
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<tr>
<td>room (California Level)</td>
<td>J. Carvalho (United Kingdom)</td>
<td>W. Sepulveda (Chile)</td>
<td>W. Sepulveda (Chile)</td>
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<td></td>
<td>15:30 – 16:00 Fetal echocardiography: A review of standard techniques and new trends</td>
<td>15:30 – 16:00 Using 3D ultrasound to help define fetal dysmorphology and new trends</td>
<td>15:30 – 16:00 Using 3D ultrasound to help define fetal dysmorphology and new trends</td>
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<tr>
<td></td>
<td>L. Cohen (United States)</td>
<td>J. Hyett (Australia)</td>
<td>J. Hyett (Australia)</td>
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<td>Siemens</td>
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<td>Spanish Seminars</td>
<td>Spanish Seminars</td>
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<tr>
<td>(California level)</td>
<td></td>
<td>16:05 – 16:10 Discusso de apertura</td>
<td>16:05 – 16:10 Discusso de apertura</td>
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<td></td>
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<td>16:10 – 16:30 Usu del ultrasonido tridimensional en diagnóstico prenatal</td>
<td>16:10 – 16:30 Usu del ultrasonido tridimensional en diagnóstico prenatal</td>
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<td>D. Cacuci (Buenos Aires)</td>
<td>D. Cacuci (Buenos Aires)</td>
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<td>16:30 – 16:50 La evaluación del primer trimester: VolumeNT &amp; IT</td>
<td>16:30 – 16:50 La evaluación del primer trimester: VolumeNT &amp; IT</td>
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<td>W. Sepulveda (Chile)</td>
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<td>16:50 – 17:00 Discusión</td>
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<tr>
<td></td>
<td>Siemens will be offering live scanning demonstrations (including 3D scans) in their</td>
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<td></td>
<td>hospitality suite throughout the congress.</td>
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<td></td>
<td>Please visit the Siemens booth no. 15 in the California showroom to make an appointment</td>
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<td></td>
<td>or come to the Brentwood room during coffee and lunch breaks.</td>
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<td>Westwood room</td>
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<td>TOSHIBA</td>
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<td>Leading innovation</td>
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<td>Verinata Health</td>
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<td>Toshiba Medical Systems</td>
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<td>Hospitality &amp; demonstration sessions</td>
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<tr>
<td></td>
<td>Private event hosted by Verinata Health</td>
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<td>10:30 - 11:00 Live scanning</td>
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<tr>
<td>Verinata Health</td>
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<td>Sonographic evaluation of fetal facial clefts</td>
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<td>(California level)</td>
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<td>L. Wilhelm (Germany)</td>
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<td>13:00 - 14:00 Live scanning</td>
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<td>State of the art in fetal imaging</td>
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<td>2D and volumetric imaging</td>
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<td></td>
<td>15:30 - 16:00 Clinical cases</td>
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<td>Advanced 3D imaging of the uterine cavity with Fly Thru</td>
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<td>B. Smith (United Kingdom)</td>
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<td>Outside of Congress breaks you can make an appointment for a practical</td>
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<td>demonstration in the hospitality suite. Please visit our booth.</td>
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<tr>
<td>SIEMENS</td>
<td>Pioneering ultrasound in fetal brain imaging</td>
<td>Smart Tools and Imaging in Obstetrics and Gynecology</td>
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<tr>
<td>13:10 - 14:10</td>
<td>13:10 – 13:15 Opening speech</td>
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<td>K. Preis (Poland)</td>
<td>W. Sepulveda (Chile)</td>
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<td></td>
<td>13:50 – 14:10 Using 3D ultrasound to help define fetal dysmorphology</td>
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<td>J. Hyett (Australia)</td>
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**TOSHIKA**

Leading Innovation

Premium Performance Without Compromise

Toshiba’s ultrasound systems deliver premium image quality and performance for greater diagnostic confidence, regardless of the patient type or application. Toshiba systems incorporate unique, advanced clinical technologies that allow us to overcome the limitations of conventional ultrasound and produce clear and more accurate images. [medical.toshiba.com](http://medical.toshiba.com)

Visit us at ISUOG World Congress, Exhibit #30
**Exhibitor profiles**

**American Institute of Ultrasound in Medicine (AIUM)**  
Stand no: 18  
14750 Sweitzer Lane, Suite 100, Laurel, Maryland 20707  
T: +301 498 4100  
F: +301 498 4450  
C: Jennifer Costello  
E: membership@aium.org  
W: www.aium.org  
The American Institute of Ultrasound in Medicine 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. AIUM's membership consists of more than 8960 physicians, sonographers, scientists, students, and other health care providers. Membership benefits include the *Journal of Ultrasound in Medicine*, free CMEs, and multiple educational opportunities through its convention, postgraduate courses, webinars, and online resources.

**Center for Fetal Diagnosis & Treatment at The Children's Hospital of Philadelphia**  
Stand no: 32  
34th Street and Civic Ctr Blvd, Wood 5: Fetal Surgery  
T: +01 1 800 468 8376  
F: +01 1 215 590 2447  
C: Marielaena Galie  
E: galiem@email.chop.edu  
W: www.fetalsurgery.chop.edu  
Expert Resources – All In One Place  
One of only a few programs worldwide to offer comprehensive prenatal diagnosis, fetal therapy – including open fetal surgery for spina bifida – postnatal treatment and the option of delivering at a leading pediatric hospital. For over 15 years, we have been a beacon of hope and expertise for more than 10,000 families facing the impact of a prenatally diagnosed birth defect. Our abiding goal: the best outcome for both mother and baby. Hope lives here.

**The American Registry for Diagnostic Medical Sonography (ARDMS)**  
Stand no: 17  
51 Monroe Street Plaza East One, Rockville, Maryland 20850  
T: +1 301 541 9754  
F: +1 301 738 0312  
C: Dale Cyr  
E: communications@ardms.org  
W: www.ardms.org  
The American Registry for Diagnostic Medical Sonography (ARDMS) is an independent, not-for-profit organization founded in 1975. ARDMS is the globally recognized standard of excellence in sonography and has certified more than 70,000 individuals. Credentials awarded by ARDMS document personal achievement of recognized professional standards and are widely accepted in the medical community by sonography and vascular professional organizations. ARDMS promotes quality care and patient safety through the certification and continuing competency of ultrasound professionals.

**astraia software GmbH**  
Stand no: 25  
Occam Str. 20, 80802 München, Germany  
T: +49 89 127 1147 0  
F: +49 89 127 1147 17  
C: Roland Denk  
E: info@astraiacom  
W: www.astraia.com  
astraia software is based in Munich, Germany and was founded in 2000. astraia has established its position as a market leader and pioneer in obstetric and gynaecological database applications. Today a dedicated team of 25 employees is taking care of more than 1,000 customers worldwide and is also represented by local sales partners. astraia is known for offering high end solutions that are always up-to-date with the latest scientific data.

**CHISON Medical Imaging Co.,Ltd**  
Stand no: 9  
No. 9 Xin Hui Huan Road, New District, Wu Xi, Jiangsu Province, CHINA, 214028  
T: +86 5108 5271 308  
F: +86 5108 5310 726  
C: Lucy Chen; Amy Zhu  
E: export@chison.com.cn  
W: www.chison.com.cn  
CHISON Medical Imaging Co., Ltd. is one of the world’s leading manufacturers for ultrasound systems. It has specialized in the development & manufacturing of high quality ultrasound systems for over 15 years. With 305 employees, CHISON has an annual production capacity of 8,000 ultrasound systems. It is ISO & CE certified by TUV in Germany, and has also received FDA approval from USA.

**CIVCO Medical Solutions**  
Stand no: 6  
102 First Street South, Kalona, IA 52247, USA  
T: +1 319 656 4447  
F: +1 319 656 4451  
C: Jennifer Tobin  
E: info@civco.com  
W: www.civco.com  
With over 30 years of experience, CIVCO is a recognized leader in increasing patient throughput and clinical productivity while improving patient outcomes. CIVCO’s Women’s Healthcare product line focuses on breast imaging, obstetrical scanning and gynecological applications. Solutions include transducer covers and needle guidance. Additional information is available at www.CIVCO.com.
Exhibitor profiles

CombiMatrix Diagnostics
Stand no: 12
310 Goddard, Suite 150, Irvine CA, 92618, USA
T: +1 800 710 0624
F: +1 949 753 1504
C: Courtney Tate
E: info@cmdiagnostics.com
W: www.combimatrix.com

CombiMatrix Diagnostics, an industry-leader in genomic testing, offers clinicians a broad menu of innovative microarray tests. CLIA-certified and CAP-accredited, we provide state-of-the-art genetic testing services in the areas of Prenatal & Reproductive Health (prenatal and products of conception testing), Pediatrics (for autism & other development delay disorders) & Hematology-Oncology. To learn more, visit us at www.combimatrix.com.

ContextVision
Stand no: 7
Kungsigan 50, 11315 Stockholm, Sweden
T: + 46 8 750 3550
F: + 46 8 750 5494
C: Lilian Arvedson
E: info@contextvision.se
W: www.contextvision.com

ContextVision is the leading independent developer in medical imaging enhancement, analysis and processing technologies, serving leading OEMs and distributors for 27 years. ContextVision’s embedded imaging software is relied upon daily by thousands of users around the globe. ContextVision’s patented GOP algorithm allows unprecedented image quality to be achieved by simultaneously enhancing fine structure while reducing noise and speckle across MRI, X-Ray, Ultrasound, CT, and IR.

Cook Medical
Stand no: 3
750 Daniels Way, PO Box 489, Bloomington, IN 47402-0489, USA
T: +812 339 2235
F: +812 339 3704
C: Lynn Noite
E: sales.ops@cookmedical.com
W: www.cookmedical.com

With an emphasis on reproductive technology and maternal-fetal medicine, Women’s Health provides innovative solutions in reproductive health, obstetrics and gynecology that help global medical professionals support the varying needs of patients around the world.

Digisonics
Stand no: 10
3701 Kirby Drive, Houston, TX 77098, USA
T: +1 713 529 7979
F: +1 713 529 7999
C: Dora Wu
E: dwu@digisonics.com
W: www.digisonics.com

Digisonics has set the standard for OB/GYN software systems for over 25 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
Stand no: TBC
Elsevier Health Sciences, 1600 John F Kennedy Blvd., Suite 1800, Philadelphia, PA 19103, USA
T: +1 215 239 3491
C: Jeffrey Francis
E: J.Francis@elsevier.com
W: www.elsevierhealth.com

ELSEVIER dedicated to being your integral partner in delivering exceptional healthcare. Trust ELSEVIER to offer superior resources that expand your knowledge, foster communication, build insights, enable individual and collective advancements in the healthcare field. ELSEVIER proudly publishes Mosby, Saunders, Churchill, Livingstone, Butterworth-Heinemann and Hanley and Belfus titles. ELSEVIER. Building Insights, breaking boundaries.

Fetal Medical Foundation (FMF)
Stand no: 28
The Fetal Medicine Centre, 137 Harley Street, London, W1G 6BG, UK
T: +44 (0)20 7486 0476
F: +44 (0)20 7486 0294
E: enquiries@fetalmedicine.com
W: www.fetalmedicine.com

Founded by Prof. Kypros Nicolaides in 1995, the FMF is recognized as the world leader in First Trimester Ultrasound Training and Accreditation. In the past 2 years over 35,000 physicians and sonographers from around the world have taken our FREE online courses. Visit www.fetalmedicine.com for all of our latest information including new courses, lectures and dates for upcoming international meetings.

Future meetings

California Showroom
Pick up information about future meetings and related events. This table has information on a number of upcoming events relating to all areas of ultrasound in obstetrics and gynecology.

GE Healthcare
Stand no: 16
9900 Innovation Drive, Wauwatosa, WI 53226, USA
T: +49 212 28020
F: +49 212 280228
C: Dawn Fessett
E: dawn.fessett@ge.com
W: www.gehealthcare.com

Through healthymagination, GE Healthcare is addressing global healthcare needs in very real and relevant ways. We are bringing solutions to our customers in more than 100 countries and territories. At this year’s ISUOG congress, learn more about healthymagination and our rich tradition of ultrasound excellence over the decades. You are invited to tour booth #16 to experience the distinctive/impressive history. Then join us in the GE Pavilion on the Plaza level to experience today’s innovations in Voluson ultrasound and ViewPoint IT solutions. VolusonClub members are welcome to relax and network with other Voluson ultrasound users in the VolusonClub lounge in the Pavilion.
**Exhibitor profiles**

**Genzyme genetics**  Stand no: 20
1700 West Park Drive, Suite 400, Westborough, MA 01581, USA
T: +1 800 848 4436
W: www.genzymegenetics.com

Genzyme Genetics and LabCorp are the human genetics specialists’ resource for ordering tests from SNP arrays to prenatal and carrier screening. Combined, their extensive portfolio is supported by expert genetics specialists including the largest network of genetic counselors and competitive managed care contracts.

**Hitachi Aloka Medical**  Stand no: 31
10 Fairfield Boulevard, Wallingford, CT 06492, USA
T: +1 203 269 5088
F: +1 203 269 6075
E: inquiry@hitachi-aloka.com
W: www.hitachi-aloka.com

Hitachi Aloka Medical is proud of the reputation we’ve built as an industry leader in Women’s Imaging. Known for our unparalleled image quality, superior reliability, and intuitive use of cutting-edge technology, Hitachi Aloka Medical remains the ideal choice for exceptional diagnostic ultrasound imaging in the field of Women’s Healthcare. Our focused dedication to diagnostic ultrasound imaging allows us to offer a range of products to meet the needs of every Women’s Healthcare professional. Visit us at booth #31. www.hitachi-aloka.com

**isuog.org**

**ISUOG Lounge, California Showroom**

Unit 4 Blythe Mews, Blythe Road, London W14 0HW, UK
T: +44 (0) 20 7471 9955
F: +44 (0) 20 7471 9959
C: Michael Semmence
E: info@isuog.org
W: www.isuog.org

With more than 5,000 members in 100 countries ISUOG is the most important Society in ultrasound in obstetrics and gynecology. All full paid delegates are enrolled as members of ISUOG and can immediately access our many member benefits including the Journal, Ultrasound in Obstetrics and Gynecology, reduced fees to ISUOG Courses and Congresses, online educational material such as Web Lectures and access to our Congress web portal, ISUOG OnDemand. Reduced rates to attend our 2012 World Congress in Copenhagen, Denmark (9-13 September 2012) also apply. Come and collect a sample of our latest Journal at the ISUOG lounge (while stocks last!) and find out more.

**Karl Storz GmbH & Co. KG**  Stand no: 11
Mittelstrasse 8, 78532 Tuttingen, Germany
T: +49 7461 7080
F: +49 7461 7081 05
C: Stefanie Birkenmayer
E: info@karlstorz.com
W: www.karlstorz.com

KARL STORZ is one of the world’s leading suppliers of endoscopes for all fields of application. The family-owned company with its headquarters in Tuttingen, Germany has 5300 employees worldwide. With a history that stretches back over 60 years, KARL STORZ is well-known for its innovative and high-quality products. Its range of products has been rounded off with the development of the integrated operating room ORI™ and by integrating the field of flexible endoscopy into the various specialties.

**Lippincott Williams & Wilkins**  Stand no: L1
11636 Andasol Ave, Granada Hills, CA 91344-2203, USA
T: +1 818 363 0477
F: +1 603 372 0007
C: Sean Fee
E: sean.lee@wolterskluwer.com
W: www.lww.com

Lippincott Williams & Wilkins (LWW) is a leading international publisher of professional health information for physicians, nurses, specialized clinicians and students.

**MedStreaming**  Stand no: 27
8514 15th Ave N.E. Redmond, WA, 98052, USA
T: +1 323 451 2273
F: +1 562 685 0655
C: Scott Wayman
E: scott.wayman@medstreaming.com
W: www.medstreaming.com

At Medstreaming we provide the world’s most comprehensive integrated practice management, electronic medical record (EMR) and image management platform. Our singular architecture and intuitive user interface helps to reduce errors, improve patient care, and simplify the IT infrastructure in your practice. From structured reporting automation to device interoperability, Medstreaming provides products that increase efficiencies, customize to your practice needs. Medstreaming has been granted ‘Meaningful Use’ certification.

**PerkinElmer Inc.**  Stand no: 29
710 Bridgeport Ave, Shelton, CT 06484, USA
T: +1 800 762 4000
F: +1 203 944 4904
C: Andrea Feehr
E: CustomerCareUS@perkinelmer.com
W: www.perkinelmer.com

PerkinElmer is a global company committed to healthier pregnancies, healthier babies and healthier families. We are pioneering the use of dried blood spot sampling to make screening more widely available and have recently launched a risk assessment for early-onset pre-eclampsia in Europe. PerkinElmer’s NTD Labs offers the most accurate first trimester aneuploidy screening service. PerkinElmer’s Signature Genomics Laboratories, the leader in microarray-based cytogenetic diagnostics, offers a range of prenatal diagnostic testing to suit the needs of every patient case.
ISUOG OnDemand is an online multimedia platform, which allows you to watch presentations recorded at the World Congress in Los Angeles.

All presentations (OC and OP, invited talks and workshops) will be made available OnDemand, from the end of the day on which they are presented. E-posters (P) can also be viewed on this platform.

Access to this resource is free to all delegates and ISUOG members. Revisit your favourite lectures, or view missed sessions at your leisure.

ISUOG members can view OnDemand at any time. To login from your own computer, follow these simple instructions:

1. Visit www.isuog.org and login to your online ISUOG membership account.
2. If you do not know your login details, visit the ISUOG Lounge to find out.
3. Once logged in, click on ‘Preferences’ in the top right hand corner of the web page.
4. Click on the ‘Activate Web Portal’ link and then select ‘View Web Portal’
5. Select the sessions you are interested in viewing and enjoy!

NB: Delegates are not permitted to make individual recordings of lectures.

ISUOG cannot guarantee that all lectures will be available OnDemand, as authors have the right to refuse recording.

Don’t miss ISUOG OnDemand and the chance to view any presentation online!
EXHIBITOR PROFILES

PHILIPS
sense and simplicity

Philips Healthcare
3000 Minuteman Rd, Andover, MA 01810, USA
T: +1 866 680 1124
C: Amy Lex
W: www.healthcare.philips.com

Philips Healthcare is a diverse health and well-being company, focused on improving people's lives through timely innovations. Philips integrates technologies and design into people-centric solutions, based on fundamental customer insights and the brand promise of 'sense and simplicity.' Our women's healthcare ultrasound portfolio includes solutions for maternal fetal medicine, obstetrics, gynecology, and breast imaging. Philips newest ultrasound systems and transducers incorporate the latest in ergonomic research and design and have set industry standards for design and comfort.

SAMSUNG

Samsung Medison
Samsung Medison Bldg., 42, Teheran-ro 108-gil, Gangnam-gu, Seoul 135-851, Korea
T: +82 2 2194 1131
F: +82 2 556 9537
C: Pia Park
E: hml.park@samsungmedison.com
W: www.samsungmedison.com

Samsung Medison is one of the world’s leading researchers, developers and manufacturers of ultrasound and other medical imaging products. Medison was founded in 1965, and acquired by Samsung Electronics in February 2011, to form Samsung Medison. Driven by R&D, the company has achieved a series of technological breakthroughs, such as introducing the world’s first commercially-available 3D and 40 diagnostic ultrasound scanners. Samsung Medison also produces digital X-rays and other medical imaging products.

EXHIBITOR PROFILES

Exhibitor profiles

PHILIPS

PHILIPS
sense and simplicity

Samsung Medison

Samsung Medison Bldg., 42, Teheran-ro 108-gil, Gangnam-gu, Seoul 135-851, Korea
T: +82 2 2194 1131
F: +82 2 556 9537
C: Pia Park
E: hml.park@samsungmedison.com
W: www.samsungmedison.com

Samsung Medison is one of the world’s leading researchers, developers and manufacturers of ultrasound and other medical imaging products. Medison was founded in 1965, and acquired by Samsung Electronics in February 2011, to form Samsung Medison. Driven by R&D, the company has achieved a series of technological breakthroughs, such as introducing the world’s first commercially-available 3D and 40 diagnostic ultrasound scanners. Samsung Medison also produces digital X-rays and other medical imaging products.

Not just a revolution, a revelation

There are revolutions in medicine, in technology, in music, in society. Then there are revelations: ideas and insights so far advanced from what was, they alter your perception of what could be.

Experience the future of ultrasound

The Philips IU22 xMATRIX is a revolutionary imaging system that will forever change the way you view ultrasound as a clinical tool for women's imaging. Now you can see more clearly, explore more fully, and resolve more thoroughly. Now you can be sure. www.philips.com/xmatrix/womenshealthcare
Beyond Plus

Visit us at ISUOG 2011
Booth Stand #14
California Showroom

SAMSUNG + MEDISON

Samsung and Medison - coming together for a better tomorrow. See more in life.
Exhibitor profiles

Scan Trainer
Medicare, Heath Park, Cardiff CF14 4UJ, UK
T: +44 2020758534
F: +44 2020750230
C: Stuart Gail
E: stuartgail@medaphor.com
W: www.scantrainer.com

ScanTrainer is a 24/7 virtual reality ultrasound simulator, which combines ‘real-feel’ haptic simulation, real patient scans and curriculum-based interactive learning, to provide fast and effective ultrasound training prior to patient contact. ScanTrainer’s self directed learning removes the requirement for patients to learn on and minimises an expert’s direct supervision, making the system both resource efficient and cost effective. The system comes with integrated OB/GYN training modules and a wide range of pathology modules are available.

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.
Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China
T: +86 (0) 755 81889898
F: +86 (0)755 86140347
C: Aaron Lin
E: Intl-marketing@mindray.com
W: www.mindray.com

Mindray was founded in 1991 with the goal of delivering high-quality, competitively priced medical devices to make healthcare more accessible and affordable around the world. In 2006, Mindray listed on the New York Stock Exchange and is now a leading developer, manufacturer and marketer of medical devices worldwide. Now the company has three well-established business segments: Patient Monitoring and Life Support Products, In-Vitro Diagnostic Products and Medical Imaging Systems. Health care facilities equipped with Mindray’s products can be found in over 190 countries and Regions.

Sonultra
877-SONULTRA P.O. Box 3910 Beverly Hills, CA 90212, USA
T: +1 877 766 8587
W: www.sonultra.com

For 20+ years Sonultra equipped MFM, OB/GYN, and radiology specialists with productivity and research enhancing OB/GYN ultrasound reporting and DICOM image management tools. Resolving many of the limitations found in today’s hospital and private-office based reporting/image management solutions, Sonultra’s comprehensive EMR, PACS and Ultrasound integration services streamlines your workflow while managing your bottom line. Visit booth #8 and see our latest Fetal Echo module and Ultrasound reporting integration solutions for EMR, PACS and Ultrasound.

Texas Children’s Fetal Center
6621 Fannin Street Houston, Texas 77030, USA
T: + 832 824 2695
C: Denise Chase
E: dechase@texaschildrens.org
W: fetal.texaschildrens.org

Texas Children’s Fetal Center – located within Texas Children’s Hospital in Houston, Texas – is one of only a few centers in the United States to offer the full spectrum of fetal therapies. Our physicians are recognized leaders in fetal medicine and fetal and neonatal surgery. We offer compassionate, comprehensive care including advanced diagnostic procedures and consultation. At Texas Children’s Fetal Center, our team is committed to providing the the best possible outcome for each mother, baby and family.

TOSHIBA
Leading Innovation

Toshiba America Medical Systems
Zilverstraat 1, 2718 Rpozometer, The Netherlands
T: +714 730 5000
C: Debbi Kemp
E: dkemp@tams.com
W: www.medical.toshiba.com

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.

Trig Medical Inc
3394 Forestwood Drive, Suwanee, GA 30024 USA
T: +1 678 756 0406
C: Nancy Sousa
E: info@trigmed.com
W: www.trigmed.com

Trig Medical provides labor progression management and image guidance solutions for important times in a woman’s life. Trig’s innovative, non-invasive tracking and image based guidance products provide clinicians with images and information to take care to a higher level. Stop by the Trig booth to see a demo of Labor Pro, a non-invasive, labor progression management system, and TrigGuide™, an interventional ultrasound guidance system.
As a healthcare professional, you never know when a difficult case will come through the door. What appears to be a simple complaint can sometimes turn into a case that requires every ounce of your patience, determination, and skill.

You’re always up for the challenge—and so are we. We don’t only develop ultrasound solutions that handle the most straightforward cases—we also strive to find solutions for the most complicated ones.

Siemens pioneers ultrasound to make the impossible possible. Our ultrasound systems provide advanced image quality that reveals complex anatomical structures, so that you can discover answers to even the most perplexing questions—and help make the stomach aches go away.

Siemens. The ultrasound pioneers.
Exhibitor profiles

Ultrasound Manager
Copla, Shapinsay, Orkney, KW17 2EA, UK
T: +44 1856 898 066
C: Liz Lamond
E: info@ultrasoundmanager.com
W: www.ultrasoundmanager.com

Ultrasound manager is an innovative cloud based system for sharing scan video, images and data. Our secure, multilingual system has been developed with Donald Gibb and other leading obstetricians to provide an enhanced scan experience for expectant mothers and their families along with easy sharing between professionals for analysis of scans. We have 15 years experience in providing Video Review and Data Capture Solutions. Come to stand 26 and talk to us about how we can enhance your scans.

Verinata Health, Inc.
1531 Industrial Road, San Carlos, CA 94070, USA
T: +1 650 632 1680
C: Suzanne Yokota
E: info@verinata.com
W: www.verinata.com

Verinata Health is driven by a sole, extraordinary purpose – maternal and fetal health. Our initial focus is to develop and offer non-invasive tests for the early identification of fetal chromosomal abnormalities through our proprietary technologies. We aim to reduce the anxiety associated with today’s multi-step process, the unacceptable false positive rates, the non-specific and sometimes confusing results of current prenatal screening methods and the risk of current invasive procedures.

Vision Chips, Inc.
P.O. Box 2855, Laguna Hills, CA 92654-2855, USA
T: +1 888 517 7779
F: +1 949 362 0591
C: Jock Philip
E: jock@visionchips.com
W: www.visionchips.com

Vision Chips, Inc. is the developer of advanced OB/GYN reporting solutions. Observer 7 is the latest version of the highly regarded Observer Ultrasound Information System that was first introduced almost 20 years ago. The Observer system has always been known for its ease of use, robustness and attention to detail with fast, effective and friendly support to back it up. Observer 7 takes OB/GYN Reporting and Imaging software to a whole new level of flexibility with extremely advanced customization options and an enhanced user experience. Find out for yourself why Vision Chips earns the vast majority of its customers through enthusiastic referrals from existing, very happy customers.

Vasa Previa Foundation, Inc.
P.O. Box 272293, Boca Raton, FL 33427-2293, USA
T: +1 267 790 6693
C: Amy Brown Gaghagen
E: info@vasaprevia.com
W: www.vpf.org

The International Vasa Previa Foundation is an all volunteer charity organized to provide prevention and detection information and bereavement support to the general public and professionals regarding the potentially fatal fetal condition known as vasa previa. Our objectives are to raise awareness about vasa previa and eliminate infant mortality and complications caused by undiagnosed or poorly managed vasa previa. It only takes a moment to diagnose life...

Watson Pharma, Inc.
400 Interpace Parkway - Bldg A 3rd Floor, Parsippany, NJ 07054, USA
T: +1 862-261-7000
F: +1 862-261-7001
W: www.watson.com

Watson Pharmaceuticals has a clear objective to expand our presence in Women’s Health through internal research and development and alliances that will expand our brand offerings in pre-term birth, infertility, emergency and oral contraception. Watson, a long-standing and committed partner to women throughout their reproductive lives – and beyond.

Wiley Blackwell
ISUOG Lounge, California Showroom

Make sure you visit the Ultrasound in Obstetrics & Gynecology (UOG) section of the ISUOG stand. Collect your free sample copy of the latest issue, claim your free UOG pen, or sign up for our UOG newsletter to be in with a chance of winning an iPad. You can also chat with someone who works on the Journal to find out more about the latest developments. UOG is the leading peer-reviewed Journal on imaging within the field of obstetrics and gynecology, with an Impact Factor of 3.163 (JCR® 2010).

ZONARE Medical Systems, Inc.
420 North Bernardo Avenue, Mountain View, CA 94043, USA
T: +1 650 230 2800
F: +1 650 230 2828
C: Mark Miller
E: info@zsonare.com
W: www.zsonare.com

ZONARE Medical Systems is committed to ultrasound excellence through its innovative, software-based, next generation technology, and putting customers and employees first. The patent design and architecture of the z.one UltrasoundTM platform deliver premium image quality and clinical versatility at unparalleled value. ZONARE’s exclusive ultrasound focus has resulted in achieving a user loyalty rating of 100 percent in the KLAS Top 20: 2009 Year-End Report. All ZONARE customers interviewed for this ultrasound market report indicated that they would purchase a z.one ultrasound system again.
ISUOG Trainee Membership Program

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

**Membership includes:**

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

Organisations currently offering ISUOG trainee membership include societies in the UK, USA, Denmark, Hong Kong, Italy, Malaysia, Norway, Singapore and Switzerland. If you are a trainee of one of these societies, and were not aware of this offer, please contact them directly. If your organisation is not listed, please get in touch and we can look at extending the scheme to your region. A list of organisations we are currently offering trainee membership to can be found on our website:

[www.isuog.org/membership/trainees](http://www.isuog.org/membership/trainees)
# ISUOG committee meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Start Time</th>
<th>End Time</th>
<th>Meeting (Secretary)</th>
<th>Meeting Room</th>
</tr>
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<tbody>
<tr>
<td><strong>Saturday</strong></td>
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<tr>
<td><strong>17 September</strong></td>
<td>8:30</td>
<td>18:00</td>
<td>ISUOG Board</td>
<td>Directors</td>
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<tr>
<td><strong>Sunday</strong></td>
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<tr>
<td><strong>18 September</strong></td>
<td>9:00</td>
<td>10:30</td>
<td>Meeting Planning Committee</td>
<td>Directors</td>
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<tr>
<td></td>
<td>10:30</td>
<td>11:30</td>
<td>Copenhagen Congress Advisory Board</td>
<td>Directors</td>
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<td></td>
<td>12:00</td>
<td>13:00</td>
<td>Scientific Committee</td>
<td>Directors</td>
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<td></td>
<td>13:00</td>
<td>13:45</td>
<td>Session Chairs’ Briefing &amp; Lunch</td>
<td>Directors</td>
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<tr>
<td></td>
<td>15:50</td>
<td>16:20</td>
<td>Annual General Meeting (ALL DELEGATES)</td>
<td>LA Ballroom</td>
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<tr>
<td><strong>Monday</strong></td>
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<tr>
<td><strong>19 September</strong></td>
<td>8:30</td>
<td>10:00</td>
<td>Education Committee</td>
<td>Directors</td>
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<td></td>
<td>10:15</td>
<td>11:15</td>
<td>Gold Medal Committee</td>
<td>Directors</td>
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<td></td>
<td>10:00</td>
<td>11:00</td>
<td>Patient Liaison Group</td>
<td>Park</td>
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<td></td>
<td>11:15</td>
<td>12:30</td>
<td>1st Trimester Guidelines Task Force</td>
<td>Park</td>
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<td>11:30</td>
<td>12:30</td>
<td>Safety Committee</td>
<td>Directors</td>
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<td></td>
<td>12:45</td>
<td>14:45</td>
<td>Editorial Board</td>
<td>Directors</td>
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<td></td>
<td>15:00</td>
<td>16:00</td>
<td>Perinatal Doppler Focus Group</td>
<td>Park</td>
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<td>15:00</td>
<td>16:30</td>
<td>Clinical Standards Committee</td>
<td>Directors</td>
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<td>16:00</td>
<td>17:20</td>
<td>IOTA Group (open meeting, all welcome)</td>
<td>Sherman Oaks</td>
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<td></td>
<td>17:30</td>
<td>18:30</td>
<td>IOTA Group</td>
<td>Directors</td>
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<tr>
<td><strong>Tuesday</strong></td>
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<tr>
<td><strong>20 September</strong></td>
<td>8:30</td>
<td>9:30</td>
<td>Journal Strategy meeting (SJ, SH)</td>
<td>Directors</td>
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<td></td>
<td>10:00</td>
<td>11:00</td>
<td>IETA Group</td>
<td>Park</td>
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<td></td>
<td>10:00</td>
<td>11:00</td>
<td>Medison Mongolia Meeting</td>
<td>Directors</td>
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<td></td>
<td>12:45</td>
<td>13:45</td>
<td>Gynecology Special Interest Group</td>
<td>Park</td>
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<td></td>
<td>12:45</td>
<td>14:15</td>
<td>Outreach Committee</td>
<td>Directors</td>
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<td></td>
<td>14:00</td>
<td>15:00</td>
<td>Fetal Heart Special Interest Meeting</td>
<td>Park</td>
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<td></td>
<td>15:15</td>
<td>16:15</td>
<td>Journal Editors Meeting</td>
<td>Directors</td>
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<td>15:30</td>
<td>16:30</td>
<td>Fetal MRI Focus Group</td>
<td>Park</td>
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<tr>
<td><strong>Wednesday</strong></td>
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<tr>
<td><strong>21 September</strong></td>
<td>8:30</td>
<td>10:00</td>
<td>Web Editorial Board</td>
<td>Directors</td>
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<td></td>
<td>10:00</td>
<td>11:00</td>
<td>Scientific Committee 2</td>
<td>Directors</td>
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<tr>
<td></td>
<td>11:15</td>
<td>12:15</td>
<td>3D Focus Group</td>
<td>Directors</td>
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<td>11:15</td>
<td>12:15</td>
<td>Basic Training Curriculum</td>
<td>Park</td>
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<td></td>
<td>12:45</td>
<td>14:15</td>
<td>Membership Development Committee</td>
<td>Directors</td>
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<tr>
<td></td>
<td>16:00</td>
<td>17:00</td>
<td>Exhibitors’ Closing Meeting</td>
<td>Directors</td>
</tr>
<tr>
<td></td>
<td>17:30</td>
<td>18:30</td>
<td>IPULA (Early Pregnancy) Group</td>
<td>Directors</td>
</tr>
<tr>
<td><strong>Thursday</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>22 September</strong></td>
<td>9:00</td>
<td>10:00</td>
<td>ISUOG Board (supplementary)</td>
<td>Directors</td>
</tr>
<tr>
<td></td>
<td>10:30</td>
<td>11:30</td>
<td>IETA Group (open meeting, all welcome)</td>
<td>Olympic 2</td>
</tr>
</tbody>
</table>

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

Cash machines
Banks are normally open 09:00-18:00 each weekday. The nearest bank branch can be located in the Century City shopping complex, across the road from the hotel. There is also a cash point located within the hotel, near the concierge desk on the ground floor.

Catering
Tea, coffee and light lunches will be served in the exhibition area from Sunday to Wednesday. On Thursday, refreshments will be served in the California lounge and Plaza level. Please join us for a farewell lunch and look forward to next year’s Congress with a Danish beer after the closing ceremony on Thursday afternoon!

Certificates of attendance
Certificates of attendance will be available from the main registration desk from Wednesday 21 September for all registered delegates who complete the CME questionnaire. Certificates will be available for collection until lunchtime on Thursday 22 September.

USA CME: US delegates collecting AMA PRA Category 1 Credits™ must visit the CME desk at registration to sign in and collect their CME certificates. You will also be asked to complete the evaluation questionnaire.

Congress contact details

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(registration and booking enquiries)
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London, W6 7BA, UK
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F: +44 (0)20 8834 1151
E: ISUOG2011@congrex.com

ISUOG Secretariat
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ISUOG, Unit 4 Blythe Mews, Blythe Road
London W14 0HW, UK
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E: congress@isuog.org

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

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

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

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

ISUOG membership
All paid delegates are online members of ISUOG for 2012, including access to UOG and the Congress web portal ISUOG OnDemand. Visit the ISUOG lounge in the California Showroom for more information.

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

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

- Clear
- Red
- Blue
- Yellow
- Green
- Orange
- Deep red
- Pink
- Light blue
- Purple
- Light green
- Light red
- Staff

Day delegates:
- Monday
- Tuesday
- Wednesday
- Thursday
- Saturday
- Saturday/Sunday (pre-congress courses only)

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

Smoking policy
Smoking is not permitted in the building.

Telephones
Mobile telephones work well within the venue.

Travel and sightseeing
The Hyatt Regency Century Plaza hotel is situated directly adjacent to Century City, a large shopping complex offering a wide choice of shops (including branches of Bloomingdales and Macy’s) and restaurant options to suit every budget. There is also a cinema located here. Century City is approximately a 5 minute walk from the hotel. To reach the mall, leave the hotel by the main entrance and turn left. At the junction with Constellation Blvd, turn left again and walk down Constellation Blvd approximately 100m, then cross the road.

The most common form of transport is by taxi cab. There is no underground or comprehensive inner city train service. LA Metro operates train and bus services around the city. The basic fare single tickets is $1.50 and you can pay cash each time you board a Metro bus (bus operators don’t carry change, so you’ll need exact fare) or buy a ticket from a self-service vending machine on entry to a Metro Rail or Metro Orange Line station. A weekly pass is also available (valid Sunday through Saturday) for $20.

The Hyatt is also located a short taxi ride from some of LA’s most famous shopping and tourist districts. More information on what to see and do, where to eat, museums and other attractions can be found in ISUOG’s specially prepared Visitor Guide, prepared by our Local Organising Committee. A copy of this guide can be found in your delegate bag, or is also available from our registration desk.

You can also visit the concierge on the Reception level of the Hyatt hotel where they will be happy to help you with planning any trips or excursions and advise on public transport or taxi options.

WIFI
ISUOG is pleased to announce that thanks to an unrestricted educational grant from GE, WIFI internet access will be accessible to all delegates on the Congress levels of the Hyatt hotel.
ISUOG would like to thank the following industry partners for their support of the 21st World Congress:

**Diamond level**

![GE Healthcare](image)

**Platinum level**

![SAMSUNG MEDISON](image)

**Gold level**

![SIEMENS](image)

**Bronze level**

![PHILIPS](image)

![TOSHIBA](image)

[Leading Innovation](image)

![HITACHI](image)

![ALOKA](image)

![Verinata Health](image)

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21st World Congress on Ultrasound in Obstetrics and Gynecology

18 – 22 September 2011, Los Angeles, USA

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**Congress Secretariat**

ISUOG, CCL, c/o ISUOG

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