Final Program

Up to 32 CPD credits
ACEM, ACRRM, ASAR, ASUM, RANZCOG
Welcome to ISUOG!

ISUOG are delighted you could join us for our 23rd World Congress; the leading event in women’s imaging.

All full paying delegates receive one year’s ISUOG membership available from now until the end of 2014. As well as access to the Congress web portal and all Congress lectures, there are many great ways to use your ISUOG membership.

Education
- Reduced fees to ISUOG’s intensive courses
- ISUOG support for teaching programs
- Opportunities to participate in ISUOG Outreach projects

Web resources
Unlimited online access to:
- 350+ web lectures and webcasts from all ISUOG education courses
- World Congress presentations via multimedia platform ISUOG OnDemand
- **visuog**: a new visual encyclopedia for ultrasound in obstetrics and gynecology

Events
Reduced fees to ISUOG events:
- International Symposium in Beijing, 26-28 April 2014.
- 24th World Congress in Barcelona, 14-17 September 2014.

Journal
Online access to *Ultrasound in Obstetrics and Gynecology*, the leading peer reviewed journal in its field (you may need to upgrade your membership to receive the journal).

Upgrade your ISUOG membership online now at [isuog.org](http://isuog.org)

Would you like to receive your own copy of UOG?
Upgrade to FULL membership to continue receiving all these great offers, plus your own copy of the journal *Ultrasound in Obstetrics & Gynecology (UOG)* published monthly.

To find out more about ISUOG and your member benefits, visit the [ISUOG lounge](http://isuog.org) in the Bayside Grand Hall or contact us at [info@isuog.org](mailto:info@isuog.org). We look forward to meeting you!
Welcome message

Welcome to Sydney, the most iconic city in Australia. On behalf of the Congress committees, we are delighted to be hosting the 23rd World Congress on Ultrasound in Obstetrics and Gynecology.

This is the second time that the conference has come down under and for the first time this year, we are pleased to be presenting the Congress in partnership with ASUM. In incorporating the ASUM 43rd Annual Scientific Meeting, we are confident our program has achieved a new, enriching balance between world-class local speakers and international expertise, as well as bringing general ultrasound to our sonographer audiences.

Our committees have designed a program for this congress that is second to none, built from a careful selection of over 550 abstracts. Alongside new research presentations, our extensive invited faculty will be presenting on the current state of the art via keynote lectures, live scans, a wide variety of ‘meet the professor’ sessions and focused workshops. I think that you will all be pleasantly surprised.

We want to thank all of you for participating, especially to those of you who are presenting research papers, thank you for sharing your work with us.

Beyond the formal conference, we hope you will take time out to visit some of the iconic sites and world famous restaurants in Sydney. We sincerely wish all of you a memorable visit and hope you will learn a lot, meet up with old friends, make new ones and have fun at the event.

Enjoy Sydney!

Andrew Ngu
Congress Co-Chair

John Hyett
Congress Co-Chair

George Condous
Congress Co-Chair

Critical dates and times

Registration opening hours

Saturday 5 October  07:00 - 17:30
Sunday 6 October  08:00 - 20:00
Monday 7 October  07:30 - 18:30
Tuesday 8 October  07:30 - 18:00
Wednesday 9 October  07:30 - 18:00

The registration area is located in the Bayside Foyer on the ground floor of the Sydney Convention and Exhibition Centre (SCEC).

Exhibition opening hours

Sunday 6 October  10:00 - 20:30
Monday 7 October  09:30 - 16:30
Tuesday 8 October  09:00 - 16:30
Wednesday 9 October  09:00 - 16:00

The exhibition is located in the Bayside Grand Hall on the ground floor of the SCEC.

Speaker preparation room opening hours

Saturday 5 October  07:00 - 18:00
Sunday 6 October  08:00 - 18:00
Monday 7 October  07:30 - 18:30
Tuesday 8 October  07:30 - 17:30
Wednesday 9 October  07:30 - 16:30

The speaker preparation room is located in Bayside 108, on the first floor of the Congress venue. 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 pages 19-19 for details.

myASUM eLearning Portal Launch & ASUM Annual General Meeting

Monday 7 October 2013, 10:30
Bayside 102
Sydney Convention & Exhibition Centre

ASUM meetings

For details of scheduled ASUM committee meetings, please refer to page 113.

Critical 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 5 October 08:30 - 17:30

Main Congress
Saturday 6 October 09:00 - 17:45
(followed by a Welcome to Country, exclusive performance by the Mirramu Dance Company and welcome reception, 17:45–20:30)

Sunday 7 October 08:00 - 17:55
Tuesday 8 October 08:00 - 17:35
Wednesday 9 October 08:00 - 17:15
(followed by leaving drinks and welcome to Barcelona 2014! 17:15 - 18:15)

Short oral presentations will be presented in chaired discussion sessions:
Monday & Tuesday 09:25 - 10:05
Monday, Tuesday & Wednesday 11:55 - 12:35

All presentations and posters will be available for viewing at any time on ISUOG OnDemand.

This resource can be accessed on terminals in the ISUOG lounge, located in the Bayside Grand Hall of the SCEC as well after the event through your own ISUOG member login.

Daylight saving

Daylight saving will begin in New South Wales on Sunday 6 October 2013 when clocks will go forward one hour at 02:00. Remember to move your clocks, watches, mobiles and laptops forward so as not to miss any Congress sessions!

ISUOG Annual General Meeting (AGM)

All fully paid delegates are ISUOG members for 2014 and are invited to attend the AGM.

Sunday 6 October 2013, 12:10
Bayside Auditorium B
Sydney Convention & Exhibition Centre

ISUOG meetings

For details of scheduled ISUOG committee meetings, please refer to page 112.
The following declarations of interest have been received:

R. Axell  The Phantom was funded by ISUOG and built by the national Physics Laboratory, UK (OP20.01, OP20.02, OP20.03, OP20.04)
R. Chui  Attendance supported by Perkin Elmer
J. Deprest  Research supported via the university transfer office and with a contract stipulating independence of the researchers, by several companies producing meshes, including Bard, Ethicon, FEG tissue technique
H.P. Dietz  Receives an unrestricted educational grant from GE Medical
S. Goldstein  Consultant with Cook ObGyn and Philips Ultrasound
R. Guzman Rojas  Receives an unrestricted educational grant from GE Medical (OP18.02)
J. Johnson  Research supported by Perkin Elmer
K. Kalache  Attendance supported by Philips
A. Khurana  Consultant with GE Healthcare
G. Malinger  Co-author M. Zelichovich works part time for Eldan Israel, the Israeli representation of General Electric products (OC01.05)
G. McNaught  Receives support from Nanosonics for their disinfection device at their clinic and to cover their registration for this meeting (OC20.05)
M. Reily  Is an employee of Philips Healthcare (OC23.01, OC23.03)
C. Shek  Receives an unrestricted educational grant from GE Medical
D. Webster  Attendance supported by Perkin Elmer

The following presentations will include discussion of commercial products/services:
OC01.05, OC01.06, OC01.07, OC01.08, OC15.01, OC20.05, OC21.01, OC23.01, OC23.03, OP01.05, OP06.05, OP08.10, OP13.02, OP18.02, OP18.04, OP22.03, P03.06, P04.17, P15.18, P08.01, P08.02, P09.09, P10.03, P11.15, P12.02, P14.05, P14.15

The following presentations will include discussion of investigative or off label uses of products:
OP01.05, OP06.05, OP08.10, OP11.06, OP13.02, OP19.05, OP20.01, OP20.02, OP20.03, OP20.04

The following presentations will include discussion of clinical studies:
OC03.04, OC03.05, OC04.04, OC04.05, OC05.05, OC06.04, OC06.05, OC09.06, OC11.01, OC12.01, OC13.03, OC13.04, OC14.07, OC14.08, OC17.02, OC18.01, OC18.04, OC19.01, OC19.04, OC19.05, OC19.06, OC20.03, OC22.01, OC23.01, OC23.04, OC01.05, OP02.02, OP02.04, OP02.06, OP04.01, OP04.04, OP05.01, OP05.06, OP08.01, OP08.06, OP08.07, OP08.08, OP10.01, OP11.03, OP11.06, OP11.07, OP12.01, OP12.04, OP12.10, OP13.02, OP13.03, OP13.04, OP13.06, OP14.01, OP14.05, OP14.07, OP15.08, OP16.03, OP18.03, OP18.05, OP19.01, OP19.02, OP19.03, OP19.05, OP20.01, OP20.02, OP20.03, OP20.04, OP20.12, OP20.15, OP23.02, P03.06, P04.17, P05.06, P05.07, P05.09, P05.11, P06.04, P08.01, P08.02, P08.03, P08.05, P08.17, P09.03, P10.03, P10.08, P11.05, P11.07, P11.11, P11.12, P12.02, P12.09, P13.01, P14.04, P14.07, P14.08, P14.12, P14.17, P14.24, P16.01, P20.02

The following companies are acknowledged for their provision of faculty support grants for the World Congress:

PerkinElmer  For the Better
**Opening sessions & keynote lectures**

Our keynote lectures will commence at 9am on Sunday 6 October 2013.

- 09:00  Welcome from the ISUOG President Y. Ville (France)
- 09:05  The clinical implementation of non-invasive prenatal testing T.K. Lau (Hong Kong)
- 09:35  Decidualisation: the key to healthy pregnancy S. Quenby (UK)
- 10:00  Fetal origins of disparities in aboriginal health R. Smith (Australia)
- 10:50  Early pregnancy defines late pregnancy events
- 12:10  Ian Donald Awards and ISUOG AGM

**Social program**

**Opening ceremony & welcome reception**

Sunday 6 October, Sydney Convention & Exhibition Centre

Complimentary to all registered delegates, accompanying persons and exhibitors, who are invited to attend the special program starting at 17:45 in Bayside Auditorium B, followed by drinks and canapés in the Bayside Grand Hall, on the ground floor of the Sydney Convention & Exhibition Centre.

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

- 17:45  Welcome from the Congress Chairs
- 17:55  Welcome to Country
- 18:10  Exclusive performance by the Mirrumu Dance Company
- 18:30  Welcome reception
- 20:30  Close

Images by Barbie Robinson

**Travel & sightseeing**

A number of optional tours have been developed for Congress delegates and their accompanying persons, to showcase the sites of Sydney and surrounding regions.

If you wish to climb the Sydney Harbour Bridge, experience the wonders of Sydney Harbour by boat or escape the city and travel west to the Blue Mountains, please contact Tour East: isuog@toureast.net

**Accompanying person’s program**

Cost:  $100 per person

Available at the registration desk, the accompanying persons’ program includes:
- Admission to the Congress opening ceremony
- Admission to the Congress exhibition area and catering breaks
- Lonely Planet Sydney pocket guide

**ISUOG Visitor’s Guide to Sydney**

Be sure to make the most of the ISUOG Visitor’s Guide to Sydney prepared by our Local Organising Committee which can be found at registration.

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

**Congress party**

**Tuesday 8 October**

Time:  19:00 - midnight


Cost:  $125 per person (including dinner, all drinks and entertainment)

Dress:  Cocktail

You must buy a ticket to attend this event. 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 (which you can collect or purchase at registration), so please remember to bring it with you to attend.

Our venue for the 2013 Congress Party is Waterfront & Wolfies, set in the Rocks precinct with stunning views of the Sydney Harbour Bridge and the internationally renowned Opera House. The party will be a cocktail style with occasional seating. All delegates, accompanying persons and exhibitors are welcome to register for a relaxing evening including a standing buffet and dancing.

**Images by Barbie Robinson**
**General information**

**Cash machines**
Banks are normally open from 09:00 to 16:00 on weekdays. There is a cash point located within SCEC opposite Hall 5 (exhibition halls of the venue). There are also cash points available in the Harbourside Shopping Centre.

**Catering**
Tea, coffee and lunches will be served in the Bayside Grand Hall from Sunday to Wednesday. Please join us for welcome drinks after the opening ceremony on Sunday afternoon and for a glass of sangria after the closing session on Wednesday to celebrate the host city of ISUOG’s World Congress in 2014, Barcelona.

**Certificates of attendance**
To receive your certificate of attendance please hand your Congress evaluation form to the staff at the registration desk before 18:00 on Wednesday 9 October. Your certificate will be sent to you after the Congress to the email address we have for you on file. If you have any questions please ask at the registration desk.

**Congress contact details**
- **Congrex UK (registration & booking enquiries)**
  26-28 Hammersmith Grove, London, W6 7HA, UK
  T: + 44 (0)20 8748 8868  F: + 44 (0)20 8237 4093
  E: ISUOG2013@congrex.com
- **ASUM Secretariat (ASUM program enquiries)**
  ASUM, Level 2, 511 Pacific Highway Crows Nest, NSW 1585, Australia
  T: +61 (0)2 9438 2078  F: +61 (0)2 9438 3686
  E: asum@asum.com.au
- **ISUOG Secretariat (all other enquiries)**
  ISUOG, 122 Preston Road, London W10 6TR, UK
  T: +44 (0)20 7471 9955  F: +44 (0)20 7471 9955
  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.

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

**Duplications/recordings**
Photography, audio taping, video recording, 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 ISUOG OnDemand.

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

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

**Lost property**
Please hand any lost property to the registration desk, where it will be made available for collection.

**Smoking policy**
Smoking is not permitted in the building.

**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 members are instructed not to permit entry without your badge, so please be understanding if you are asked to return to the registration desk. Name badge holders have been colour coded as follows:

- **Large badge holder:**
  - Full delegates
  - ISUOG Board
  - ASUM Council
  - Invited faculty
  - Exhibitors
  - Staff (with wording STAFF on badge)

- **Small badge holder:**
  - Day delegate
  - Accompanying persons

**Venue floor plans**

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**Program at a glance**

Daylight saving will begin in New South Wales on Sunday 6 October 2013 when clocks will go forward one hour at 02:00. Remember to move your clocks forward so as not to miss any Congress sessions.

### Sunday 6 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-10:20</td>
<td>Bayside Auditorium B</td>
<td>ISUOG keynote lectures</td>
</tr>
<tr>
<td>10:20-10:30</td>
<td>Bayside Auditorium A</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>10:30-11:50</td>
<td>Bayside 204</td>
<td>Workshop IUGR, detection and management</td>
</tr>
<tr>
<td>10:50-11:15</td>
<td>Bayside Gallery B</td>
<td>Opening sessions &amp; ISUOG AGM</td>
</tr>
<tr>
<td>11:30-12:30</td>
<td>Bayside 102</td>
<td>Lunch &amp; E-POSTER VIEWING (11:30-13:00)</td>
</tr>
<tr>
<td>11:50-12:10</td>
<td>Bayside 103</td>
<td>Workshop Early pregnancy</td>
</tr>
<tr>
<td>13:15-14:30</td>
<td>Bayside Auditorium B</td>
<td>Philips satellite symposium (13:15-14:30)</td>
</tr>
<tr>
<td>14:30-15:50</td>
<td>Bayside Auditorium A</td>
<td>Workshop Neonatal cranial ultrasound and spine</td>
</tr>
<tr>
<td>15:50-17:10</td>
<td>Bayside 204</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>17:15-18:35</td>
<td>Bayside Gallery B</td>
<td>Opening ceremony</td>
</tr>
<tr>
<td>18:30-20:30</td>
<td>Bayside 102</td>
<td>Welcome reception</td>
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</tbody>
</table>

**Program key:**
- Obstetrics sessions
- Vascular sessions
- MSK sessions
- Short and presentations
- Electronic poster viewing
- Meet the professor sessions
- Social

### Monday 7 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session Title</th>
</tr>
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<tbody>
<tr>
<td>08:00-09:20</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>09:25-10:05</td>
<td>Bayside 204</td>
<td>OP01</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>Bayside Gallery B</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>10:30-11:15</td>
<td>Bayside 102</td>
<td>Workshop Pelvic pain and endometriosis</td>
</tr>
<tr>
<td>11:30-12:30</td>
<td>Bayside 103</td>
<td>Lunch &amp; E-POSTER VIEWING (12:30-14:00)</td>
</tr>
<tr>
<td>12:30-14:00</td>
<td>Bayside Auditorium A</td>
<td>GE Healthcare satellite symposium (12:30-14:00)</td>
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<tr>
<td>14:00-15:20</td>
<td>Bayside Auditorium A</td>
<td>Workshop Routine cardiac exam: moving beyond 4C view</td>
</tr>
<tr>
<td>15:30-16:50</td>
<td>Bayside Auditorium A</td>
<td>Workshop Cardiovascular borderline findings</td>
</tr>
<tr>
<td>17:15-17:55</td>
<td>Bayside Auditorium A</td>
<td>Workshop How to characterise ovarian pathology</td>
</tr>
<tr>
<td>18:30-20:30</td>
<td>Bayside Auditorium A</td>
<td>Meet the professor sessions</td>
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</table>
## PROGRAM AT A GLANCE

### Tuesday 8 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-09:20</td>
<td>Bayside Auditorium A</td>
<td>OC11 - Plenary including top abstracts</td>
</tr>
<tr>
<td>09:25-10:05</td>
<td>Bayside Auditorium A</td>
<td>OP07</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>Bayside Auditorium A</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>10:30-11:50</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>11:55-12:35</td>
<td>Bayside Auditorium A</td>
<td>OP12</td>
</tr>
<tr>
<td>13:45-15:05</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>15:05-15:30</td>
<td>Bayside Auditorium A</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>15:30-16:50</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>16:55-17:35</td>
<td>Bayside Auditorium A</td>
<td>Meet the professor’ sessions</td>
</tr>
<tr>
<td>19:00-00:00</td>
<td>Bayside Auditorium A</td>
<td>CONGRESS PARTY</td>
</tr>
</tbody>
</table>

### Program key:
- Obstetrics sessions
- Gynecology sessions
- Short oral presentations
- Sponsored satellite symposium
- Plenary sessions
- Social
- E-Poster viewing
- Meet the professor’ sessions
- Electronic poster viewing
- Plenary sessions
- Social

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## Wednesday 9 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Title</th>
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<tr>
<td>08:00-08:40</td>
<td>Bayside Auditorium A</td>
<td>Meet the professor’ sessions</td>
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<tr>
<td>08:45-10:05</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>Bayside Auditorium A</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>10:30-11:50</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>11:55-12:35</td>
<td>Bayside Auditorium A</td>
<td>OP17</td>
</tr>
<tr>
<td>12:15-13:45</td>
<td>Bayside Auditorium A</td>
<td>Samsung Medison satellite symposium (12:45-13:45)</td>
</tr>
<tr>
<td>13:45-15:05</td>
<td>Bayside Auditorium A</td>
<td>LIVE SCAN</td>
</tr>
<tr>
<td>15:05-15:30</td>
<td>Bayside Auditorium A</td>
<td>COFFEE &amp; E-POSTER VIEWING</td>
</tr>
<tr>
<td>15:50-17:30</td>
<td>Bayside Auditorium A</td>
<td>Panel discussion: ultrasound and MRI combined approach</td>
</tr>
<tr>
<td>17:30-18:15</td>
<td>Bayside Auditorium A</td>
<td>CONGRESS LEAVING DRINKS</td>
</tr>
</tbody>
</table>

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Program key:
- Obstetrics sessions
- Gynecology sessions
- Short oral presentations
- Sponsored satellite symposium
- Plenary sessions
- Social
- E-Poster viewing
- Meet the professor’ sessions
- Electronic poster viewing
- Plenary sessions
- Social
Program orientation

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

The full program is available on our itinerary planner found online at isuog.org/worldcongress/2013.

Session types explained...

Plenary sessions

Plenary sessions include invited talks and special lectures on Sunday 6 October, top abstracts on Tuesday 8 October and a panel discussion on ultrasound and MRI combined approach on Wednesday 9 October.

Scientific sessions

ISUOG scientific sessions run in parallel rooms from Sunday to Wednesday with ASUM sessions on Sunday and Monday only. These sessions include invited talks, oral communication presentations and short oral presentations. Electronic poster presentations make up part of the scientific program, but are not presented orally within sessions.

Invited talks

- ISUOG and ASUM faculty members have been invited to present world class lectures as overviews to sessions or in more detail within workshops. See below a list of session types coded by colour as per the program.

- Plenary sessions
- Scientific sessions
- Invited talks
- Workshop: Educational workshops consist of between 3 and 5 didactic lectures on key special interest areas and in some cases live scan demonstrations where appropriate. Anyone can attend these popular sessions, but on a first come, first served basis.

OP (short oral presentation)

- OPs are poster submissions considered suitable for short oral presentation within between 3 to 5 parallel sessions depending on the congress day. OP abstract authors are allocated 2 minutes to summarise their poster, followed by 2 minutes for discussion.

P (electronic poster)

- Abstracts accepted as view only posters are available for viewing throughout the congress on the OnDemand viewing terminals located at the ISUOG lounge in the Bayside Grand Hall as single PowerPoint slides. Authors may be contacted for discussion through the integrated email facility.

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

- All ASUM presentations (where applicable) and OC, OP & P presentations are supported by printed abstracts, which are listed by number and can be located in the abstract book.

Vascular

Obstetrics

Gynecology

Pediatrics

MSK

Workshops

Educational workshops consist of between 3 and 5 didactic lectures on key special interest areas and in some cases live scan demonstrations where appropriate. Anyone can attend these popular sessions, but on a first come, first served basis.

Live scan

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

Join the conversation #ISUOG2013

Get interactive at the Congress!

- Like us on Facebook /isuog.org & /asum.com.au
- Follow our Twitter feed and tweet us @isuog
- Join our discussion groups on linkedin.com
- Share your Congress photos on pinterest.com/isuog

ISUOG OnDemand

View ISUOG Congress presentations online anytime!

Our online multimedia platform allows members to view Congress presentations anytime.

- All presentations (OC, OP, P, invited talks and workshops) will be recorded and made available.
- Access to this resource is free to all delegates during the Congress, on the viewing terminals located in the ISUOG lounge in the exhibition hall and to 2014 ISUOG members for the following year.
- Revisit your favourite lectures or view missed sessions at your leisure.

Download the Congress App

Keep up to date with the program on your smartphone!

Download the EventBoard App and search for the ISUOG congress event. Remember to allow promotional messages to receive official updates.

- Follow the program
- Receive official updates
- Access social media platforms
**Chairperson, speaker & presenter guidelines**

### Essential information

If you are chairing, speaking in a session, presenting an oral communication (OC), delivering a short oral presentation (OP), or have an electronic poster (P), you will need to refer to the guidelines below. Please note that there may be several sections which are relevant to your activities. If you have any questions, please address them to the staff in the speakers’ preparation room (Bayside 108, first floor).

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

All OP’s uploaded will be recorded and made available for viewing (but not download) to delegates and ISUOG members on 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 on the ISUOG lounge in the Bayside Grand Hall on the ISUOG OnDemand terminals. Please address any queries to the technical staff in the speakers’ preparation room.

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, so please visit the speakers preparation room if you have any queries. Any speaker is welcome to preview his or her talk on the system before their session.

### General notes for all presenters (invited, 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 of the session. Please note some OP sessions will only be able to meet 5 minutes before hand as the room will be in use. Please check the daily program to see if this affects you.

- All presentations must be in English. Please ensure that you speak slowly and clearly throughout.
- 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.
- All delegates have been requested not to record sessions, 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.
- The scientific committee will announce the best presentations within subject categories and the Young Investigator prize winner at the closing session.

### 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 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.

### Chairpersons

There will be a chairpersons’ briefing on Sunday 6 October at 08:00 in Bayside Gallery B to confirm session formats and demonstrate the presentation management tool. The briefing will last no longer than 30 minutes. 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 the additional time with discussion or, provided all other speakers are present, please move forward with the program. Please try not to deviate dramatically from the advertised program to allow delegates to follow the session.
- 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 microphones on stands 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.
- You are asked to support the scientific committee by scoring and selecting the best presentations in your session.

### Chairpersons’s briefing - Sunday 6 October at 08:00 - Bayside Gallery B

### 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 e-posters from Sunday 6 to Wednesday 9 October 2013 in the ISUOG lounge in the Bayside Grand Hall on the ISUOG OnDemand terminals. 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 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 ISUOG OnDemand terminals in the ISUOG lounge in the Bayside Grand Hall.
- Presenters should arrive at the relevant session hall at least 10 minutes prior to the listed time.
## Short oral presentations at a glance

<table>
<thead>
<tr>
<th>Day &amp; time</th>
<th>Short oral presentation session</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(09:25 - 10:05)</td>
<td>OP01 Aneuploidy and second trimester fetal anomalies</td>
<td>Bayside Auditorium A</td>
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<td>OP02 Fetal growth restriction</td>
<td>Bayside 204</td>
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<td></td>
<td>OP03 Early pregnancy</td>
<td>Bayside Gallery B</td>
</tr>
<tr>
<td></td>
<td>6B ASUM research I</td>
<td>Bayside 103</td>
</tr>
<tr>
<td></td>
<td>OP04 Cardiac function and new technologies</td>
<td>Bayside Auditorium A</td>
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<td></td>
<td>OP05 Fetal neurosonography</td>
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<td>OP06 Reproductive medicine</td>
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<td>Bayside 103</td>
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<tr>
<td></td>
<td>OP07 Second trimester anomalies and aneuploidies</td>
<td>Bayside Auditorium A</td>
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<td>OP08 Fetal growth and Doppler</td>
<td>Bayside 204</td>
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<td></td>
<td>OP09 Characterising ovarian pathology</td>
<td>Bayside Gallery B</td>
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<td>OP10 Fetal interventions</td>
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<td>OP11 Ultrasound assessment of preterm and term labour</td>
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<td>OP12 Congenital heart disease</td>
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<td>OP13 Assessment in late pregnancy and labour</td>
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<td>OP14 Ultrasound in oncology</td>
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<td>OP16 Pelvic pain and endometriosis</td>
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<td>OP17 Aneuploidy: first trimester</td>
<td>Bayside Auditorium A</td>
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<td>OP18 Urogynecology</td>
<td>Bayside 204</td>
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<td></td>
<td>OP19 First trimester assessment of growth and Doppler</td>
<td>Bayside Gallery B</td>
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<td>OP20 Technology to improve training and safety</td>
<td>Bayside 102</td>
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<td></td>
<td>OP21 Multiple pregnancy</td>
<td>Bayside 103</td>
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<td>OP17 Aneuploidy: first trimester</td>
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<td>OP18 Urogynecology</td>
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<td>OP19 First trimester assessment of growth and Doppler</td>
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<td>OP20 Technology to improve training and safety</td>
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<td>OP21 Multiple pregnancy</td>
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<td>Bayside 102</td>
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<td>Wednesday</td>
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<td>Bayside Gallery B</td>
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<td>Bayside 102</td>
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<td>Bayside 103</td>
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<td>Bayside Gallery B</td>
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<td>Bayside 102</td>
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<td>Bayside 103</td>
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<td>OP17 Aneuploidy: first trimester</td>
<td>Bayside Auditorium A</td>
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<td>OP18 Urogynecology</td>
<td>Bayside 204</td>
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<td>Bayside Gallery B</td>
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<td>OP20 Technology to improve training and safety</td>
<td>Bayside 102</td>
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<td>OP21 Multiple pregnancy</td>
<td>Bayside 103</td>
</tr>
</tbody>
</table>

## Electronic posters at a glance

Electronic posters (P) are available for viewing throughout the Congress on the ISUOG OnDemand viewing terminals located in the ISUOG lounge in the Bayside Grand Hall. You can also send questions or comments to authors using our integrated e-mail facility. Electronic posters are subject categorised on pages 83-94.

<table>
<thead>
<tr>
<th>Poster session</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01</td>
<td>Abnormal uterine bleeding, fibroids and adenomyosis</td>
</tr>
<tr>
<td>P02</td>
<td>Assessment in late pregnancy</td>
</tr>
<tr>
<td>P03</td>
<td>Cardiac anomalies and heart function</td>
</tr>
<tr>
<td>P04</td>
<td>Fetal echocardiography</td>
</tr>
<tr>
<td>P05</td>
<td>First trimester: aneuploidy and anomalies</td>
</tr>
<tr>
<td>P06</td>
<td>Second trimester anomalies and aneuploidies</td>
</tr>
<tr>
<td>P07</td>
<td>Second trimester anomalies and aneuploidies: just images</td>
</tr>
<tr>
<td>P08 (08.01-08.03)</td>
<td>Fetal growth and Doppler</td>
</tr>
<tr>
<td>P08 (08.04-08.18)</td>
<td>Fetal growth restriction</td>
</tr>
<tr>
<td>P09</td>
<td>Fetal interventions</td>
</tr>
<tr>
<td>P10</td>
<td>Fetal neurosonography</td>
</tr>
<tr>
<td>P11</td>
<td>Imaging technologies</td>
</tr>
<tr>
<td>P12</td>
<td>Keeping ultrasound safe-keeping patients safe</td>
</tr>
<tr>
<td>P13</td>
<td>Multiple pregnancy</td>
</tr>
<tr>
<td>P14</td>
<td>Ultrasound assessment of preterm and term labour</td>
</tr>
<tr>
<td>P15</td>
<td>Characterising and managing ovarian masses</td>
</tr>
<tr>
<td>P16</td>
<td>Early pregnancy</td>
</tr>
<tr>
<td>P17</td>
<td>Pelvic pain</td>
</tr>
<tr>
<td>P18</td>
<td>Reproductive medicine</td>
</tr>
<tr>
<td>P19</td>
<td>Urogynecology</td>
</tr>
<tr>
<td>P20</td>
<td>Ultrasound in gynecological oncology</td>
</tr>
<tr>
<td>9A</td>
<td>Vascular III (ASUM)</td>
</tr>
</tbody>
</table>
# ‘Meet the professor’ sessions at a glance

<table>
<thead>
<tr>
<th>Day &amp; time</th>
<th>Session</th>
<th>Professor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(17:15 - 17:55)</td>
<td>Third trimester neurosonography, what to look for</td>
<td>G. Malinger (Israel)</td>
<td>Bayside Auditorium A</td>
</tr>
<tr>
<td></td>
<td>First trimester screening of pregnancy complications</td>
<td>J. Hyett (Australia)</td>
<td>Bayside 204</td>
</tr>
<tr>
<td></td>
<td>Doppler in all trimesters</td>
<td>C. Bilardo (Netherlands)</td>
<td>Bayside Gallery B</td>
</tr>
<tr>
<td></td>
<td>Normal and abnormal corpus callosum (PEND)</td>
<td>R. Chaoui (Germany)</td>
<td>Bayside 102</td>
</tr>
<tr>
<td></td>
<td>Endometriosis: selection for appropriate laparoscopic surgery</td>
<td>G. Condous (Australia)</td>
<td>Bayside 103</td>
</tr>
<tr>
<td><strong>Tuesday</strong></td>
<td></td>
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</tr>
<tr>
<td>(16:55 - 17:35)</td>
<td>The Sherlock Holmes approach to syndromes involving the face</td>
<td>B. Benacerraf (USA)</td>
<td>Bayside 204</td>
</tr>
<tr>
<td></td>
<td>Update in the management of IUGR</td>
<td>E. Gratacós (Spain)</td>
<td>Bayside Gallery B</td>
</tr>
<tr>
<td></td>
<td>Early fetal echocardiography</td>
<td>J. Carvalho (UK)</td>
<td>Bayside 102</td>
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<td>How to characterise uterine anomalies in practice</td>
<td>N. Raine-Fenning (UK)</td>
<td>Bayside 103</td>
</tr>
<tr>
<td><strong>Wednesday</strong></td>
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</tr>
<tr>
<td>(08:00 - 08:40)</td>
<td>Imaging of pelvic floor trauma</td>
<td>H. P. Dietz (Australia)</td>
<td>Bayside 204</td>
</tr>
<tr>
<td></td>
<td>Screening and management of specific monochorionic twin complications</td>
<td>Y. Ville (France)</td>
<td>Bayside Gallery B</td>
</tr>
<tr>
<td></td>
<td>Metastatic ovarian tumors (secondary tumors of the ovary)</td>
<td>A. Testa (Italy)</td>
<td>Bayside 102</td>
</tr>
<tr>
<td></td>
<td>Optimising your 3D scan</td>
<td>L. Platt (USA)</td>
<td>Bayside 103</td>
</tr>
</tbody>
</table>

## Pre-congress courses

### 08:30 - 17:30

**Prenatal screening and diagnosis of aneuploidy**

Bayside Gallery B

Presented in partnership with: [ispd](#)

Supported by an unrestricted educational grant from: [Ariosa](#)

### 09:00 - 17:00

**Endometriosis: how can we improve pre-operative prediction of disease? Sonologist and laparoscopist’s perspectives**

Bayside 103

Supported by an unrestricted educational grant from: [SAMSUNG MEDISON](#)

### 08:25 - 17:25

**Ultrasound in the O&G office**

Bayside 102

Hands on session supported by equipment from: [M4 Healthcare](#) [CAE Healthcare](#) [ULTRASOUND Healthcare](#)
Program - Saturday 5 October 2013

08:30 - 17:30 Prenatal screening and diagnosis of aneuploidy  Bayside Gallery B

Chairs: J. Van Lith (Netherlands); A. McLennan (Australia)
Presented in partnership with:

08:30 Population based screening for Down syndrome in Denmark: an overview of the process and effectiveness of screening
A. Tabor (Denmark)

08:50 Population based screening for Down syndrome in New Zealand: an overview of the process and effectiveness of screening
D. Webster (New Zealand)

09:10 Resetting the standards of screening: changing risk cut-offs to improve screening performance
F. Costa (Australia)

09:30 Effective intervention for managing NT underperformers
A. Robertson (Australia)

09:50 Discussion

10:00 Coffee break

10:30 Molecular karyotyping: techniques, technologies, applications and limitations
R. Choy (Hong Kong)

11:10 Guidelines for use of prenatal aCGH array
M. Caramins (Australia)

11:30 aCGH array for 'routine' fetal karyotyping: clinical experience
W. Greville (Australia)

11:50 Discussion

12:00 - 13:00 Lunch

Chairs: J. Hyett (Australia); T.Y. Leung (Hong Kong)

13:00 Sequencing for NIPT: techniques, technologies, applications and limitations
L. Hui (Australia)

13:20 Non-invasive testing: a summary of test efficacy
J. Van Lith (Netherlands)

13:40 Limited karyotyping: what we will miss
O. Petersen (Denmark)

14:00 Combined first trimester biochemistry, NIPT or both?
J. Johnson (Canada)

14:20 Discussion

14:40 Coffee break

15:10 First trimester screening for neural tube defects
S. Meagher (Australia)

15:30 Screening for adverse pregnancy outcomes at 12 weeks
F. Audibert (Canada)

15:50 Diagnosing cardiac defects at 12 weeks: tips and tricks for the sonographer
R. Chaoui (Germany)

16:10 Interpretation of 20 week scan following NIPT
B. Benacerraf (United States)

16:30 Discussion

Supported by an unrestricted educational grant from:
Program - Saturday 5 October 2013

**PRE-CONGRESS COURSES**

**Program - Saturday 5 October 2013**

**Endometriosis: how can we improve pre-operative prediction of disease? Sonologist and laparoscopist's perspectives**

*Bayside 103*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00 - 17:00</td>
<td>Welcome, Chs: G. Condous (Australia); S. Piessens (Australia)</td>
</tr>
<tr>
<td>09:00</td>
<td>Welcome, Chs: G. Condous (Australia)</td>
</tr>
<tr>
<td>09:05</td>
<td>Imaging modalities used for assessing deep infiltrating endometriosis, Ch: S. Reid (Australia)</td>
</tr>
<tr>
<td>09:30</td>
<td>Why is pre-operative mapping of disease location and extent important for the laparoscopic surgeon? Ch: J. Abbott (Australia)</td>
</tr>
<tr>
<td>10:00</td>
<td>How to do a detailed scan for deep infiltrating endometriosis, Ch: S. Piessens (Australia)</td>
</tr>
<tr>
<td>10:30</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11:00</td>
<td>How to manage endometriomas whilst minimising the impact on ovarian reserve, Ch: G. Reid (Australia)</td>
</tr>
<tr>
<td>11:30</td>
<td>Use of 3D ultrasound and MRI to predict posterior compartment deep infiltrating endometriosis (DIE), Ch: S. Guerriero (Italy)</td>
</tr>
<tr>
<td>11:50</td>
<td>LIVE SCAN Supported by: Samsung Medison*</td>
</tr>
<tr>
<td>12:55</td>
<td>The endometrioma: including how to recognise decidualisation, endometrioid and carcinomatous changes on ultrasound, Ch: A. Testa (Italy)</td>
</tr>
</tbody>
</table>

**Lunch**

13:15 - 14:15

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:15</td>
<td>The significance to the surgeon of POD obliteration at laparoscopy - when do you involve a colon-rectal surgeon? Ch: D. Choy (Australia)</td>
</tr>
<tr>
<td>13:45</td>
<td>Can we predict pouch of Douglas obliteration in women with suspected endometriosis using a new real-time dynamic transvaginal ultrasound technique: the “sliding sign”, Ch: S. Reid (Australia)</td>
</tr>
<tr>
<td>15:15</td>
<td>Sonovaginography - how gel can help define the rectovaginal septum, Ch: G. Condous (Australia)</td>
</tr>
<tr>
<td>15:30</td>
<td>Coffee break</td>
</tr>
<tr>
<td>16:00</td>
<td>Case presentations demonstrating case selection for surgery by intermediate or advanced laparoscopic surgeon, Ch: S. Reid (Australia); G. Condous (Australia)</td>
</tr>
<tr>
<td>16:30</td>
<td>Case presentations: deep infiltrating endometriosis and bowel lesions, Ch: S. Piessens (Australia); V. Lanzarone (Australia)</td>
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</tbody>
</table>

**Supported by an unrestricted educational grant from:**

[Samsung MEDISON](#)

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**Ultrasound in the O&G office**

*Bayside 102*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>08:25 - 17:25</td>
<td>Welcome, Chs: S. Westerway (Australia); J. Dickinson (Australia)</td>
</tr>
<tr>
<td>08:25</td>
<td>Welcome</td>
</tr>
<tr>
<td>08:30</td>
<td>What functions do I need in an ultrasound machine for my office and how do I make best use of them? Ch: S. Westerway (Australia)</td>
</tr>
<tr>
<td>09:00</td>
<td>LIVE SCAN: putting theory into practice, machine functionality, Ch: W. Sepulveda (Chile)</td>
</tr>
<tr>
<td>09:30</td>
<td>The early pregnancy review: what do I need to see and what should I see? Ch: D. Pugash (Canada)</td>
</tr>
<tr>
<td>10:00</td>
<td>Vaginal bleeding in the first 10 weeks of pregnancy - how ultrasound can help Ch: J. Vaughan (Australia)</td>
</tr>
<tr>
<td>10:30</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11:00</td>
<td>Measuring the fetus - too big or too small? Ch: S. Walker (Australia)</td>
</tr>
<tr>
<td>11:30</td>
<td>Is that placenta where it should be? Placental location, vasa praevia, succenturiate lobes and other oddities of the placenta Ch: C. Griffin (Australia)</td>
</tr>
<tr>
<td>12:00</td>
<td>Into the darkness - amniotic fluid volume - too much and too little Ch: G. Yeo (Singapore)</td>
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</tbody>
</table>

**Lunch**

12:30 - 13:30

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30</td>
<td>Cervical length - how short is too short and how can I tell? Ch: L. Salomon (France)</td>
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<tr>
<td>14:00</td>
<td>The when, why and how of feto-placental Doppler in pregnancy Ch: A. Quinton (Australia)</td>
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<tr>
<td>14:30</td>
<td>What if there is more than one - basic ultrasound rules for multiple pregnancies Ch: A. Welsh (Australia)</td>
</tr>
<tr>
<td>15:00</td>
<td>Coffee break</td>
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<tr>
<td>15:30</td>
<td>Hands on demonstration</td>
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<tr>
<td>16:30</td>
<td>Potential pitfalls in office scanning and how to avoid them (if possible!) Ch: J. Dickinson (Australia)</td>
</tr>
</tbody>
</table>

**Hands on session supported by equipment from:**

[CAE Healthcare](#)

[supported by an unrestricted educational grant from:](#)

[Samsung MEDISON](#)

*Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.*

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**Hands on session supported by equipment from:**

[Samsung MEDISON](#)
## ISUOG’s new visual library launch

**ISUOG is proud to launch VISUOG, our brand new visual encyclopedia on ultrasound in obstetrics and gynecology.* **

Update your clinical knowledge on current topics, watch live scan videos, browse images and access regularly updated articles.

Be one of the first to use our new interactive resource and provide your vital feedback. Call in at the ISUOG lounge to test VISUOG for yourself.

* Start exploring at [isuog.org](http://isuog.org).

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**Daylight saving will begin in New South Wales on Sunday 6 October 2013 when clocks will go forward one hour at 02:00. Remember to move your clocks forward so as not to miss any Congress sessions.**

### Program - Sunday 6 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 - 10:20</td>
<td>ISUOG keynote lectures</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>10:50 - 12:10</td>
<td>Early pregnancy defines late pregnancy events</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>12:10 - 13:15</td>
<td>Ian Donald Awards and ISUOG AGM</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>10:30 - 10:45</td>
<td>VISUOG launch</td>
<td>Bayside Gallery B</td>
</tr>
<tr>
<td>10:50 - 13:15</td>
<td>Vascular I: Ovarian vein imaging</td>
<td>Bayside 102</td>
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<td></td>
<td>Pediatrics I: Neonatal cranial ultrasound and spine</td>
<td>Bayside 103</td>
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<tr>
<td>13:25 - 14:25</td>
<td>Philips Medical Systems satellite symposium</td>
<td>Bayside Auditorium A</td>
</tr>
<tr>
<td>14:30 - 15:50</td>
<td>Fetal neurosonography I</td>
<td>Bayside Auditorium A</td>
</tr>
<tr>
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<td>Pelvic pain and endometriosis</td>
<td>Bayside 204</td>
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<tr>
<td></td>
<td>Concepts in fetal growth restriction</td>
<td>Bayside Gallery B</td>
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<tr>
<td></td>
<td>Vascular II: Infrarenal abdominal aortic aneurysm</td>
<td>Bayside 102</td>
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<tr>
<td></td>
<td>Pediatrics II: Pediatric hip and neonatal spine</td>
<td>Bayside 103</td>
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<tr>
<td>16:20 - 17:40</td>
<td>IUOR: detection and management</td>
<td>Bayside Auditorium A</td>
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<tr>
<td></td>
<td>Early pregnancy</td>
<td>Bayside 204</td>
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<td></td>
<td>Monochorionic twins</td>
<td>Bayside Gallery B</td>
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<tr>
<td></td>
<td>Vascular III: DVT and superficial thrombophlebitis</td>
<td>Bayside 102</td>
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<td>Pediatrics III: Abdomen</td>
<td>Bayside 103</td>
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<tr>
<td>17:45 - 18:25</td>
<td>Opening ceremony</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>18:30 - 20:30</td>
<td>Welcome reception</td>
<td>Bayside Grand Hall</td>
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### ISUOG’s AGM, Sunday 6 October at 12:10

All ISUOG members are invited to attend the Annual General Meeting (AGM) on Sunday 6 October, 2013 at 12.10 in the Bayside Auditorium B.

Open to all fully paid Congress delegates, who automatically receive one year’s ISUOG membership. Join us to find out more about ISUOG activities and vote on ISUOG business.

For the full agenda and year end accounts for 2012, please visit [isuog.org/membership/AGM](http://isuog.org/membership/AGM).
### Keynote speaker biographies

**Dr Siobhan Quenby**

Dr Siobhan Quenby is the Director of the Biomedical Research Unit in Reproductive Health, Professor of Obstetrics at the University of Warwick and Honorary Consultant at University Hospital Coventry and Warwickshire NHS trust. Siobhan has twenty years of experience in translational research into recurrent miscarriage and dysfunctional labour and has published over 75 original articles on this subject. She serves on several international and national committees; European Society for Human Reproduction and Endocrinology Early Pregnancy Special Interest Group, MHRA Expert Advisory Panel for women’s health, Scientific Advisory Committee of the Royal College of Obstetricians and Gynaecologists (RCOG), RCOG Preterm Labour Clinical Study Group, RCOG Early Pregnancy Clinical Study Group. Her work has received considerable media interest, including from BBC radio and TV, and other British broadcasting channels and press.

**Dr Tze Kin Lau**

Dr Tze Kin Lau is a well-known clinician, researcher and teacher in fetal medicine and obstetric ultrasound. He was born and educated in Hong Kong where he obtained his basic medical degree from the Chinese University of Hong Kong (CUHK) in 1988. In 1994 he joined the Department of Obstetrics and Gynaecology of the CUHK, where he held the titles Professor and Chief-of-Service and Head of the Maternal Fetal Medicine unit, until 2011, when he moved to start his own private practice. He has published over 338 papers in refereed and indexed journals and been invited to speak at many international and regional meetings. His main research interest includes various aspects of prenatal diagnosis and treatment, in particular non-invasive prenatal testing (NIPT). He is currently the Chairman of the Chinese Fetal Medicine Foundation and Board Member of the ISUOG. TK Lau will present, as a clinician this time, his perspectives on the current and future clinical use of NIPT.

**Roger Smith**

Roger Smith AM MB., BS., Hons., PhD., FRACP, FRANZCOG., FSRB is Professor of Endocrinology at the John Hunter Hospital in Newcastle, NSW and Director of the Mothers and Babies Research Centre in the Hunter Medical Research Institute. Roger trained at Sydney University and performed his PhD at St Bartholomew’s Hospital in London. He has been visiting professor at Yale, Harvard, the NIH and Siena. Roger has been awarded the Order of Australia, The Santa Chiari Prize of the University of Siena and the Asia and Oceania Medal of the British Endocrine Societies. He has published over 250 manuscripts mostly on human pregnancy, including papers in The New England Journal of Medicine, Nature Medicine, Nature, Scientific American and The BMJ and his work has been reviewed in SCIENCE. He is best known for his work on the placental clock which appears to regulate the length of pregnancy in humans. He is also active in Aboriginal Health trying to improve the health outcomes for disadvantaged women.

### Program - Sunday 6 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>09:00 - 10:20</td>
<td><strong>Keynote lectures</strong>&lt;br&gt;Chairs: Y. Ville (France); A. Ngú (Australia); A. Goudie (Australia)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>10:00</td>
<td>Welcome from the ISUOG President</td>
<td>Bayside Grand Hall</td>
</tr>
<tr>
<td>10:30 - 10:45</td>
<td><strong>launch</strong>&lt;br&gt;<strong>isuog</strong></td>
<td>Bayside Gallery B</td>
</tr>
<tr>
<td>10:50 - 10:50</td>
<td>Coffee and e-poster viewing</td>
<td>Bayside Grand Hall</td>
</tr>
<tr>
<td>10:50 - 13:15</td>
<td><strong>ISUOG opening plenaries</strong>&lt;br&gt;Chair: S. Goldstein (United States); H. Robinson (Australia)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>10:50</td>
<td>Endometrial injury: how a pre-pregnancy event impacts on the likelihood of a successful pregnancy&lt;br&gt;N. Raine-Fenning (United Kingdom)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>11:10</td>
<td>Does the ovulation-implantation interval impacts on short and long-term pregnancy outcome?&lt;br&gt;C. Legg (United Kingdom)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>11:30</td>
<td>Safe criteria on which to base a diagnosis of miscarriage&lt;br&gt;T. Bourne (United Kingdom)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>11:50</td>
<td>Factors impacting on early pregnancy growth&lt;br&gt;G. Condous (Australia)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>12:00</td>
<td>Ian Donald Awards and ISUOG AGM&lt;br&gt;Chairs: Y. Ville (France); A. Gagnon (Canada); K. Maršál (Sweden)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>12:10</td>
<td>Presentation of the Ian Donald Medal 2012 to Hugh Robinson</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>12:20</td>
<td>Presentation of the Ian Donald Medal 2013 to Hisaya Takeuchi&lt;br&gt;S. Ek-Neg (Norway); S. Campbell (United Kingdom)</td>
<td>Bayside Auditorium B</td>
</tr>
<tr>
<td>12:30</td>
<td>ISUOG AGM: update from the ISUOG President&lt;br&gt;Y. Ville (France)</td>
<td>Bayside Auditorium B</td>
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**Ian Donald Gold Medal 2013 - Hisaya Takeuchi**

We are pleased to welcome Prof. Takeuchi to Sydney to receive ISUOG’s highest accolade, the Ian Donald Gold Medal, for his outstanding contributions to the field of ultrasound in obstetrics and gynecology. ISUOG gratefully acknowledges a grant from WFUMB to support his participation.

Prof. Takeuchi is one of the early ultrasound pioneers, leading the way in obstetric diagnosis in Japan and being the first in the country to use a commercial medical A-scan.

A medical graduate from Juntendo University, where he is now Professor Emeritus, he is regarded as a distinguished teacher, clinician and researcher. His work has spanned early cephalometry, diagnosis of fetal malformations, transvaginal scanning, Doppler and 3D Ultrasound.
### Program - Sunday 6 October 2013

#### 10:50 - 13:15 Vascular I: Ovarian vein imaging

**Bayside 102**

**Chairs:** I. Catchpole (Australia); J. Sheridan (Australia)

LIVE SCAN  
[Supported by: Siemens*]

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:50</td>
<td>Ovarian vein imaging and May Thurner syndrome</td>
<td>1A_01</td>
<td>Bayside</td>
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<td>I. Catchpole (Australia)</td>
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<tr>
<td>10:50</td>
<td>LIVE SCAN: Ovarian vein imaging and May Thurner syndrome</td>
<td>1A_01</td>
<td>Bayside</td>
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<td>I. Catchpole (Australia)</td>
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#### 10:50 - 13:15 Pediatrics I: Neonatal cranial ultrasound and spine

**Bayside 103**

**Chair:** G. McLean (Australia); L. Hardiman (Australia)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:50</td>
<td>Cranial ultrasound of the pre-term and term neonate</td>
<td>1B_01 &amp; 1B_02</td>
<td>Bayside</td>
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<tr>
<td></td>
<td>G. McLean (Australia)</td>
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<tr>
<td>12:20</td>
<td>Ultrasound of the neonatal spine</td>
<td>1B_03</td>
<td>Bayside</td>
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<td></td>
<td>G. McLean (Australia)</td>
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#### 13:15 - 14:30 Lunch and e-poster viewing

**Bayside Grand Hall**

#### 13:25 - 14:25 Philips Medical Systems satellite symposium**

**Bayside Auditorium A**

**14:30 - 15:50 Fetal neurosonography I**

**Bayside Auditorium A**

**Chairs:** C. Bilardo (Netherlands); A. Abuhamad (United States)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
<th>Location</th>
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<tbody>
<tr>
<td>14:30</td>
<td>Disorders of axonal guidance as visualised by fetal MRI</td>
<td>D. Prayer</td>
<td>Bayside</td>
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<tr>
<td>14:50</td>
<td>LIVE SCAN: supratentorial structures</td>
<td>G. Malinger</td>
<td>Bayside</td>
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<td>[Supported by: Toshiba*]</td>
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<tr>
<td>15:10</td>
<td>Corpus callosum agenesis in the fetus: sonographic signs change with</td>
<td>OC01.01</td>
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<td></td>
<td>advancing gestational age</td>
<td>G. Malinger</td>
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<tr>
<td>15:15</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>15:18</td>
<td>Pericallosal lipomas may escape visualization during the second trimester</td>
<td>OC01.02</td>
<td></td>
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<tr>
<td></td>
<td>scan</td>
<td>G. Malinger</td>
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<td></td>
<td>T. Lerman-Sagie; M. Echevarria; F. Vihais; C. Bermejo;</td>
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<td></td>
<td>L. Ben-Sira</td>
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<td>(Israel); (Spain); (Chile)</td>
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<tr>
<td>15:23</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>15:26</td>
<td>The clinical value of prenatal diagnosis of fetal brain sulci and gyri</td>
<td>OC01.03</td>
<td></td>
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<tr>
<td></td>
<td>dysplasia by the combination of two-dimensional and three-dimensional</td>
<td>G. Lv; X. Chen</td>
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<td>ultrasonography</td>
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<tr>
<td>15:31</td>
<td>Discussion</td>
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<tr>
<td>15:34</td>
<td>Perventriculuar leukomalacia in the fetus: prenatal imaging and diagnostic</td>
<td>OC01.04</td>
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<td>features</td>
<td>D. Pugash; C. Mayer; G. Henderson; C. Dunham</td>
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<tr>
<td>15:39</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>15:42</td>
<td>US volume navigation with fusion MR imaging, a novel approach for</td>
<td>OC01.05</td>
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<tr>
<td></td>
<td>prenatal diagnosis</td>
<td>G. Malinger</td>
<td></td>
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<tr>
<td></td>
<td>T. Lerman-Sagie; M. Artzi; K. Haratz; M. Zelicovich; D. Ben-Bashat; L. Ben-Sira</td>
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<tr>
<td></td>
<td>(Israel)</td>
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</tbody>
</table>

#### 14:30 - 15:50 Pelvic pain and endometriosis

**Bayside 204**

**Chairs:** G. Condous (Australia); J. Abbott (Australia)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30</td>
<td>LIVE SCAN</td>
<td>G. Condous</td>
<td>Bayside</td>
</tr>
<tr>
<td>14:50</td>
<td>Identifying deep infiltrating endometriosis with ultrasound</td>
<td>OC02.01, S. Reif; C. Lu; I. Casikar; U. Menakanya; C. Phu; G. Condous</td>
<td>Bayside</td>
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<tr>
<td></td>
<td>[Supported by: United Kingdom]</td>
<td>OC02.02,</td>
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<td></td>
<td>(Australia); G. Condous</td>
<td>OC02.03</td>
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<tr>
<td>15:10</td>
<td>Discussion</td>
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<tr>
<td>15:15</td>
<td>Three dimensional (3D) ultrasonography improves the accuracy of two</td>
<td>OC02.04</td>
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<tr>
<td></td>
<td>dimensional (2D) ultrasonography in the diagnosis of deep endometriosis</td>
<td>G. Guernier; S. Ajoessa; C. Peddes; M. Permiciano; B. Soggiu; L. Saba; J. Alcazar; A. Piras; G. Melis</td>
<td>Bayside</td>
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<td>[Supported by: Toshiba*]</td>
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<td>15:20</td>
<td>Discussion</td>
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<td>15:23</td>
<td>Elastography is superior to ultrasound in pre-operative assessment of</td>
<td>OC02.05</td>
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<td></td>
<td>abdominal wall endometriosis</td>
<td>S. Wozniak; P. Czuczwar; P. Szkodziak; E. Wozniakowa; M. Paszkowski; P. Milart; W. Wrona; T. Paszkowski</td>
<td>Bayside</td>
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<td></td>
<td>(Poland)</td>
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<tr>
<td>15:28</td>
<td>Discussion</td>
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<tr>
<td>15:31</td>
<td>Ultrasonographic “sliding sign” in the diagnosis of pouch of Douglas</td>
<td>OC02.06</td>
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<tr>
<td></td>
<td>(POD) obliteration in women with clinical suspicion of endometriosis:</td>
<td>S. Guerriero; S. Ajossa; C. Peddes; M. Permiciano; B. Soggiu; J. Alcazar; L. Saba; F. Fabbr; N. Molin Pradel; G. Melis</td>
<td>Bayside</td>
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<td></td>
<td>relationship with the duration of surgery</td>
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<tr>
<td>15:36</td>
<td>Discussion</td>
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<tr>
<td>15:39</td>
<td>Could adenomyosis be considered as a marker of severity in intestinal</td>
<td>OC02.07</td>
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<tr>
<td></td>
<td>endometriosis?</td>
<td>A. Millicher; B. Borghese; P. Santulli; M. Lecomte; B. Dousset; C. Chapron</td>
<td>Bayside</td>
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<tr>
<td>15:44</td>
<td>Discussion</td>
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</table>

#### 14:30 - 15:50 Concepts in fetal growth restriction

**Bayside Gallery B**

**Chairs:** S. Eik-Nes (Norway); G. Parry (New Zealand)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
<th>Location</th>
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<tbody>
<tr>
<td>14:30</td>
<td>The impact of fetal growth restriction on cardiovascular remodelling</td>
<td>M. Shlitch</td>
<td>Bayside</td>
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<tr>
<td>14:50</td>
<td>Discussion</td>
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<tr>
<td>14:55</td>
<td>Low-dose aspirin improves trophoblastic function in early-onset pre-</td>
<td>OC03.01</td>
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<td></td>
<td>eclampsia</td>
<td>F.D. Costa; S. Panagodaye; S. Brennecke; P. Murthi</td>
<td>Bayside</td>
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<tr>
<td>15:00</td>
<td>Discussion</td>
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<td>15:03</td>
<td>Quality control (QC) in ultrasound fetal biometry: can self-scoring</td>
<td>OC03.02</td>
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<tr>
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<td>replace external QC?</td>
<td>R. Napollano; C. Cosgrove; E. Ohuma; M. McNeill; S. Wanyonyi; F. Roseman; K. Edwards; A. Papageorghiou</td>
<td>Bayside</td>
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<tr>
<td>15:08</td>
<td>Discussion</td>
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*Scientific content of sessions is defined by the scientific committees; 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 CPD program. ISUOG takes no responsibility for scientific or clinical content."
**Program - Sunday 6 October 2013**

### Vascular II: Infrarenal abdominal aortic aneurysm

**14:30 - 15:50**

**Chairs:** I. Catchpole (Australia); D. Coghlan (Australia)

**14:30**

**Proffered paper:** Utility of high-frequency and conventional US in therapy monitoring of hemosiderin based discolorations developed during chronic vein insufficiency

R. Mosek; B. Miedzińska; S. Malinowska (Poland)

**14:55**

Waveforms normal and abnormal

D. Coghlan (Australia)

**15:20**

Infrarenal abdominal aortic aneurysm

D. Coghlan (Australia)

**15:40**

Discussion

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### Pediatrics II: Pediatric hip and neonatal spine

**14:30 - 15:50**

**Chairs:** L. Hardiman (Australia); M. Tucker (Australia)

**14:30**

**LIVE SCAN**

Paediatric hips ultrasound

L. Hardiman (Australia); A. Cheung (Australia)

**15:10**

Neonatal spine ultrasound

L. Hardiman (Australia); A. Cheung (Australia)

**15:50 - 16:20**

Coffee and e-poster viewing

---

**16:20 - 17:40**

Workshop: IUGR: detection and management

**Chairs:** E. Gratacós (Spain); C. Lees (United Kingdom)

**16:20**

The use of charts in detecting late-onset IUGR

A. Papageorghiou (United Kingdom)

**16:40**

Are all late-onset IUGR the same?

E. Gratacós (Spain)

**17:00**

Clinical lessons from the TRUFFLE study

C. Bilardo (Netherlands)

**17:20**

Discussion

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*Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.*
# ISUOG Education 2014

## Fetal anomalies and CNS

The use of ultrasound to diagnose congenital anomalies of the brain and heart.

**Course directors:**
- C. Bilardo (The Netherlands)
- G. Malinger (Israel)
- D. Paladini (Italy)

**Dates:**
28 February - 1 March 2014

**Location:**
Amsterdam, The Netherlands

**Fees:**
ISUOG offers reduced registration fees to its members.

**CME credits will be available**

ISUOG has a follow up program of specialist obstetric ultrasound courses between March and June. For further information and regular updates, visit [isuog.org](http://isuog.org)

**Contact:**
E: congress@isuog.org    T: +44 (0)20 7471 9955

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### Program - Monday 7 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00 - 09:20</td>
<td>Aneuploidy and second trimester fetal anomalies I, Towards functional assessment of fetal growth, Early pregnancy</td>
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<td>Bayside Auditorium A, Bayside 204, Bayside Gallery B</td>
</tr>
<tr>
<td>09:25 - 10:05</td>
<td>Publishing your research: a practical approach, Aneuploidy and second trimester fetal anomalies</td>
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<td>Bayside 102, Bayside Auditorium A, Bayside 204</td>
</tr>
<tr>
<td>10:30 - 11:50</td>
<td>Cardiac function and geometry in normal and abnormal fetuses, Fetal neurosonography II</td>
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<tr>
<td></td>
<td>Bayside Auditorium A, Bayside 204, Bayside Gallery B</td>
</tr>
<tr>
<td>11:00 - 11:50</td>
<td>Vascular IV: Renal artery and parenchymal Doppler, Vascular IV: Varicose veins in pregnancy</td>
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<td>Bayside Gallery B, Bayside 102</td>
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<tr>
<td>11:55 - 12:35</td>
<td>ASUM research II, Cardiac function and new technologies, Fetal neurosonography</td>
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<tr>
<td></td>
<td>Bayside Auditorium A, Bayside 204, Bayside Gallery B</td>
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<tr>
<td>12:45 - 13:45</td>
<td>Reproductive medicine, myASUM eLearning Portal Launch and ASUM AGM</td>
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<tr>
<td></td>
<td>Bayside 102, Bayside Auditorium A</td>
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<tr>
<td>14:00 - 15:20</td>
<td>Routine cardiac exam: moving beyond 4C view, Abnormal uterine bleeding (OC)</td>
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<td></td>
<td>Bayside Auditorium A, Bayside 204, Bayside Gallery B</td>
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<tr>
<td>15:50 - 17:10</td>
<td>Cardiovascular borderline findings, Vascular VII: Arterial diseases of the lower limb</td>
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<td></td>
<td>Bayside Auditorium A, Bayside 204, Bayside Gallery B</td>
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<tr>
<td>17:15 - 17:55</td>
<td>How to characterise ovarian pathology, MSK VII: Intervention in pregnancy</td>
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<td></td>
<td>Bayside Gallery B, Bayside 103</td>
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<td></td>
<td>‘Meet the professor’ sessions</td>
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</tbody>
</table>
Come and visit the ASUM exhibition booth
Our friendly team will be holding live presentations of the myASUM e-Learning portal 1pm-2pm daily.
We will also be waiting to answer your membership questions with regard to:

- Member Benefits
- Education Program offerings
  - Diploma of Diagnostic Ultrasound (DDU)
  - Certificate of Clinician Performed Ultrasound (CCPU)
  - Certificate of Allied Health Performed Ultrasound (CAHPU)
  - Diploma of Medical Ultrasound (DMU)
- eLearning opportunities
- Research Grants
- Standards of Practice
- Conferences and Events
- Professional Advocacy Issues
- ASUM website
- Calendar of events

Real-time newsletter
myASUM e-Learning Portal
Australasian Journal of Ultrasound in Medicine (AJUM)
EBSCO
MOSIPP CPD Program
Continuing Professional Development (CPD) opportunities
Clinical Handbook
Clinical Guidelines
Journal Club
Case Studies
Conference lectures with video
Quizzes
Web-links to online resources
And much more …….

Monday 7 October
Bayside 102
10:30am-11am
myASUM e-Learning Portal Launch
& ASUM AGM

Program - Monday 7 October 2013

08:00 - 09:20
Aneuploidy and second trimester fetal anomalies I
Bayside Auditorium A
Chairs: A. Ng (Australia); G. Yeo (Singapore)

08:00 LIVE SCAN: assessing the fetal face for dysmorphology
[Supported by: GE Healthcare*]
D. Paladini (Italy)

08:25 Outcome of fetuses with short femur length detected at second trimester
malformation scan: a national survey
J. Mathiesen; L. Akglaede; L. Skibsted; O. Petersen; A. Tabor;
D. Group (Denmark)

08:30 Discussion

08:33 Femoral metaphyseal-epiphyseal angle: a new prenatal ultrasound
finding in achondroplasia
A. Khalil; F. D’Antonio; A. Bhida; A. Papageorghiou;
B. Thilaganathan (United Kingdom)

08:38 Discussion

08:41 Infant outcomes following antenatal detection of facial cleft
T. Fanelli; C. Costa; P. Hall; S. Burton; S. Broster; T. Ahmad;
C. Lees (United Kingdom)

08:46 Discussion

08:49 Forehead assessment in normal and pathological fetuses by the fetal
profile line
E. de Jong; F. Ves; M. Bakker; L. Ribbert; C. Bilardo (Netherlands)

08:54 Discussion

08:57 Fetal facial shape: 3D study of height and width in the second and
third trimester of pregnancy
A. den Boogert; E. de Jong; L. Ribbert; E. Tromp; L. Pistorius;
C. Bilardo (Netherlands)

09:02 Discussion

09:05 Additive manufacturing models of fetuses built from 3D ultrasound and
magnetic resonance imaging for blind pregnant patients
H. Heron; J. Lopes dos Santos; R. Pantes; S. Belmonte; P. Daltro;
C. Scuderi Paes Werner; S. Campbell
(Brazil); (United Kingdom)

09:10 Discussion

08:00 - 09:20
Towards functional assessment of fetal growth
Bayside 204
Chairs: A. Papageorghiou (United Kingdom); A. Welsh (Australia)

08:00 Towards functional assessment of fetal growth
W. Leg (United States)

08:10 LIVE SCAN
[Supported by: Siemens*]
E. Gratacós (Spain)

08:30 Relationship between maternal cardiovascular adaptation, fetal growth
and birthweight
A. Mahendra; T. Everett; C. McEniery; I. Wilkinson; C. Lees (United Kingdom)

08:35 Discussion

08:38 Which is best for fetal head biometry: the transthalamic or
transventricular plane?
R. Napolitano; V. Donadono; E. Ohuma; C. Knight; S. Wanyonyi;
B. Kemp; T. Norris; A. Papageorghiou (United Kingdom)

08:43 Discussion

* Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.

YI This presentation is eligible for the Young Investigator award (to be presented at the closing session).
### Program - Monday 7 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:46</td>
<td>Assessment of fetal nutrition status through limb volume measurement by 3D ultrasound and correlated with newborn anthropometric data R. Cavalcante; F. Barros; A. Caetano; A. Zamanian; E. Araujo Junior; L. Nardoza; A. Moron (Brazil)</td>
<td>OC05.03</td>
</tr>
<tr>
<td>08:51</td>
<td>Discussion</td>
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<tr>
<td>08:54</td>
<td>Fetal arm volumetry: a novel assessment of fetal body composition in the second and third trimester C. Knight; S. Rueda; M. Ahmed; K. Edwards; J. Noble; A. Papageorghiou (United Kingdom)</td>
<td>OC05.04</td>
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<tr>
<td>08:59</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>09:02</td>
<td>The effect of antenatal dietary and lifestyle advice on fetal body composition in women who are overweight or obese: findings from the LIMIT randomised trial R. Grivel; L. Yelland; R. Earl; C. Staehr; J. Dodd (Australia)</td>
<td>OC05.05</td>
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<tr>
<td>09:07</td>
<td>Discussion</td>
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<tr>
<td>09:10</td>
<td>Perinatal prognostic factors for outcome at 18 months of age in preterm growth-restricted infants J. Sasahara; K. Ishii; T. Taguchi; S. Hayashi; N. Mitsuda (Japan)</td>
<td>OC05.06</td>
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<tr>
<td>09:15</td>
<td>Discussion</td>
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<tr>
<td>08:00 - 09:20</td>
<td>Early pregnancy</td>
<td>Bayside Gallery B</td>
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<td></td>
<td>Chairs: J. Ludlow (Australia); S. Goldstein (United States)</td>
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<tr>
<td>08:00</td>
<td>The relevance of intrauterine findings in early pregnancy: how likely is this to predict ectopic pregnancy S. Goldstein (United States)</td>
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<td>08:20</td>
<td>Management issues with miscarriage: selection for different management: the two-week rule and the value of Doppler I. Casikar (Australia)</td>
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<tr>
<td>08:40</td>
<td>Ultrasound-guided transcervical forceps extraction of Cesarean scar or cervical pregnancy S. Lee; S. Lee; H. Lee (Republic of Korea)</td>
<td>OC06.01</td>
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<tr>
<td>08:45</td>
<td>Discussion</td>
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<tr>
<td>08:48</td>
<td>Computer simulation of the HCG rations and its values in predicting non-viable pregnancy of HCG M. Mongelli; F. Infante; U. Menakaya; G. Condous (Australia)</td>
<td>OC06.02 &amp; OC06.03</td>
</tr>
<tr>
<td>08:53</td>
<td>Discussion</td>
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<tr>
<td>08:56</td>
<td>Interstitial pregnancy: 10-year review of management options and outcomes at a tertiary level hospital in Australia P. Charan; H. Tran; S. Lee; R. Palma-Dias; N. Woodrow (Australia)</td>
<td>OC06.04</td>
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<tr>
<td>09:01</td>
<td>Discussion</td>
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<td>09:04</td>
<td>3D ultrasound of the endometrial cavity to predict PUL outcome S. Reid; C. Lu; I. Casikar; F. Infante; G. Condous (Australia)</td>
<td>OC06.05 &amp; OC06.06</td>
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<tr>
<td>09:09</td>
<td>Discussion</td>
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<tr>
<td>09:12</td>
<td>Is there a correlation between aberrant embryonic crown–rump length growth velocities and subsequent birth weights? M. Mongelli; C. Lu; S. Reid; N. Stamatopoulos; K. Sankaralingam; I. Casikar; N. Hardy; G. Condous (Australia)</td>
<td>OC06.07</td>
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<tr>
<td>09:17</td>
<td>Discussion</td>
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<tr>
<td>09:00 - 09:20</td>
<td>Vascular IV: Renal artery and parenchymal Doppler</td>
<td>Bayside 102</td>
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<td>Chairs: I. Catchpole (Australia); J. Sheridan (Australia); D. Coghlan (Australia) [Supported by: Siemens*]</td>
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<tr>
<td>08:00</td>
<td>Renal artery and parenchymal Doppler in pregnancy 4A_01 D. Coghlan (Australia)</td>
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<tr>
<td>08:00 - 09:20</td>
<td>MSK I: Pre and post operative shoulder</td>
<td>Bayside 103</td>
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<td>Chairs: L. Hackett (Briggs) (Australia); G. Clarke (Australia) [Supported by: Samsung Medison*]</td>
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<tr>
<td>08:00</td>
<td>The pre and post operative shoulder 4B_01 L. Hackett (Briggs) (Australia)</td>
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<tr>
<td>09:25 - 10:05</td>
<td>Publishing your research: a practical approach</td>
<td>Bayside 102</td>
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<td>Moderator: B. Thilaganathan (United Kingdom) Practical tips on getting your research published G. Condous (Australia)</td>
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<tr>
<td>09:25</td>
<td>Deciding what to publish: what the Editor looks for J. Dickinson (Australia)</td>
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<tr>
<td>09:55</td>
<td>Discussion</td>
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<tr>
<td>09:00 - 10:20</td>
<td>ASUM research I</td>
<td>Bayside 103</td>
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<tr>
<td></td>
<td>Chairs: S. Westeway (Australia); D. Coghlan (Australia) Application of spatio-temporal imaging correlation (STIC) to the placenta and fetal kidney to evaluate perfusion using novel volumetric pulsatility indices A. Welsh (Australia)</td>
<td></td>
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<tr>
<td>09:25</td>
<td>Fetal growth restriction Chairs: S. Walker (Australia); S. Eik-Nes (Norway)</td>
<td>6B_01</td>
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<tr>
<td>09:45</td>
<td>Fractional moving blood volume (FMBV) using Doppler images as a measure of cerebral perfusion in the neonate A. Welsh (Australia)</td>
<td>6B_02</td>
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<tr>
<td>09:25 - 10:05</td>
<td>Short oral presentation (OP) sessions</td>
<td></td>
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<tr>
<td></td>
<td>OP01: Aneuploidy and second trimester fetal anomalies Bayside Auditorium A Chairs: B. Benacerraf (United States); J. Vaughan (Australia)</td>
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<td></td>
<td>OP02: Fetal growth restriction Bayside 204 Chairs: S. Walker (Australia); S. Eik-Nes (Norway)</td>
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<td></td>
<td>OP03: Early pregnancy Bayside Gallery B Chairs: R. Benzie (Australia); S. Reid (Australia)</td>
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<tr>
<td>10:00 - 10:30</td>
<td>Coffee and e-poster viewing</td>
<td>Bayside Grand Hall</td>
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<tr>
<td>10:30 - 11:50</td>
<td>Cardiac function and geometry in normal and abnormal fetuses</td>
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<td></td>
<td>Chairs: A. Abuhamad (United States); R. Mogra (Australia) [Supported by: Toshiba*] R. Chaou (Germany)</td>
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</table>

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### Program - Monday 7 October 2013

#### 10:30 - 11:50

**Reproductive medicine and IVF**  
**Bayside Gallery B**

**Chairs:** S. Campbell (United Kingdom); M. Bowman (Australia)

**10:30**  
What can ultrasound tell me about a women’s potential fertility: are AMH and antral follicle relevant outside IVF

*N. Raine-Fenning (United Kingdom)*

**Discussion**

**10:55**  
Ovarian hyper stimulation syndrome and adverse obstetric outcome: a systematic review and meta-analysis

F. D’Antonio; G. Pagani; A. Bhide; B. Thilaganathan; A. Khalil (United Kingdom)

**Discussion**

**10:50**  
What is the significance of an intertwin size discrepancy in the first trimester of IVF pregnancies?

S. Sur; A. Mahendru; B. Campbell; N. Raine-Fenning (United Kingdom)

**Discussion**

**11:00**  
A carotid ultrasound study of the effectiveness of hormone therapy in preventing arteriosclerosis in women with premature ovarian failure and in menopausal women

S. Igarashi; T. Nako; J. Kakogawa; A. Tözawa; B. Ishizuka; M. Tanaka; N. Suzuki (Japan)

**Discussion**

**11:08**  
Ultrasound for monitoring controlled ovarian stimulation: a systematic review and meta-analysis

W. Martins; C. Vieira; D. Teixeira; M. Barbosa; L. Dassunção; C. Nastri (Brazil)

**Discussion**

**11:16**  
Endometrial injury reduces local blood flow without affecting endometrial growth and increases the chance of pregnancy: preliminary results from an RCT

L. Polanski1; M. Baumgarten2,2; B. Campbell1; N. Raine-Fenning1  
1(United Kingdom); 2(Brazil)

**Discussion**

**11:24**  
Ultrasound assessment of the success of post-placental and post-Cesarean intrauterine contraceptive device (Copper T) insertion

T. Dias; S. Abeykoon; G. Liyanage; S. Kumarasiri; T. Padeniya (Sri Lanka)

**Discussion**

### MONDAY PROGRAM

*Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.

**YI** This presentation is eligible for the Young Investigator award (to be presented at the closing session).
Program - Monday 7 October 2013

11:00 - 11:50 MSK II: Extremities  Bayside 103

Chairs: D. Walkley (Australia); J. Sheridan (Australia)

11:00 LIVE SCAN  [Supported by: Siemens*]

The wrist - Carpal tunnel De Quervain’s tenosynovitis  5B_01

D. Walkley (Australia)

11:25 Medial ankle  5B_02

D. Walkley (Australia)

11:55 - 12:35 ASUM research II  Bayside 103

Chairs: S. Westerway (Australia); D. Coghlan (Australia)

11:55 Ultrasound assessment of maternal cardiac function as a predictive tool for pre-eclampsia  6A_01

K. Russo (Australia); R. Grivell (Australia); L. Simmons (Australia); J. Hyett (Australia)

12:05 Parametric contrast enhanced ultrasound may enable accurate differentiation between adrenal nodular hyperplasia and adenomas  6A_02

R. Slapa; A. Kasperlik-Zaluska; B. Modra; W. Jakubowski (Poland)

12:15 Prenatal detection of coarctation of the aorta using Doppler velocimetry to detect a diastolic tail in the aortic isthmus  6A_03

J. Woolcock (Australia)

11:55 - 12:35 Short oral presentation (OP) sessions  Bayside Auditorium A

OP04: Cardiac function and new technologies

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

OP05: Fetal neurosonography  Bayside 204

Chairs: D. Prayer (Australia); A. Robinson (Canada)

OP06: Reproductive medicine  Bayside Gallery B

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

12:30 - 14:00 Lunch and e-poster viewing  Bayside Grand Hall

12:45 - 13:45 GE Healthcare satellite symposium**  Bayside Auditorium A

14:00 - 15:20 Workshop: Routine cardiac exam: moving beyond 4C view  Bayside Auditorium A

Chairs: J. Carvalho (United Kingdom); S. Yagel (Israel)

14:00 Why move beyond the 4 chamber view?  J. Copel (United States)

14:20 Systematic examination of the heart (based on ISUOG guidelines) and how to get normal views of the vessels  S. Yagel (Israel)

14:40 How do I pick up transposition?  J. Carvalho (United Kingdom)

15:00 Quiz: normal views and common anomalies of the vessels

Program - Monday 7 October 2013

14:00 - 15:20 Abnormal uterine bleeding  Bayside 204

Chairs: B. Benacerraf (United States); G. McNally (Australia)

14:00 Planning hysteroscopic resection of fibroids: how does ultrasound assist the hysteroscopic surgeon?  OC10.01

M. Salman; N. Abou Salem; W. El Sherbiny; A. El-Mazny (Egypt)

14:20 Comparative study of two- and three-dimensional sonohysterography versus office hysteroscopy for the evaluation of uterine cavity in the reproductive age  OC10.02

C. Rasmussen; M. Dueholm; N. Uldbjerg (Denmark)

14:25 Discussion

14:28 Inter-observer variation in diagnosing adenomyosis using two- and three-dimensional transvaginal ultrasound  OC10.03

O. Gonzalez; M. Reyes; J. Nien; J. Ortiz; I. Rojas (Chile)

14:33 Discussion

14:44 The prevalence of sonographic signs of adenomyosis in women undergoing surgery for endometriosis  OC10.04

14:49 Discussion

14:52 Studying inter-rater agreement of sonographic video clips using Clinical Data Miner  OC10.05

14:57 Discussion

15:00 Correlation between preinterventional intramural leiomyoma volume and the outcome of uterine artery embolization  OC10.06

P. Cruczew; S. Wozniak; P. Szkodziak; M. Paszkowski; E. Wozniakowska; P. Milart; W. Wrona; T. Paszkowski (Poland)

15:05 Discussion

14:00 - 15:20 Workshop: Reproductive medicine  Bayside Gallery B

Chairs: N. Raine-Fenning (United Kingdom)

14:00 Once we know that a woman has oligomenorrhoea and hyperandrogenism, do we really need to scan the pelvis to assess for polycystic ovaries?  J. Eden (Australia)

14:20 How do we assess them with ultrasound, and are fibroids and congenital uterine abnormalities a cause of subfertility and miscarriage - and does treatment help?  N. Raine-Fenning (United Kingdom)

14:40 Predicting ovarian reserved response: the evidence base  G. Reid (Australia)

15:00 Discussion

* Scientific content of sessions is defined by the scientific committees; 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 CPD program.
ISUOG takes no responsibility for scientific or clinical content.
**Program - Monday 7 October 2013**

### 14:00 - 15:20 Vascular VI: Arterial diseases of the lower limb  
*Bayside 102*

**Chairs:** I. Catchpole (Australia); R. Petersen (Australia)

- **14:00** Arterial diseases of the lower limb  
  *Chairs: I. Catchpole (Australia)*
  *Supported by: Toshiba*
  *Bayside 102*

### 15:50 - 17:10 Workshop: How to characterise ovarian pathology  
*Bayside Gallery B*

**Chairs:** T. Bourne (United Kingdom); P. Ramsay (Australia)

- **15:50** Pattern recognition and simple descriptors to classify ovarian masses  
  *T. Bourne (United Kingdom)*
- **16:05** IOTA simple rules and why tumor markers are a waste of time  
  *A. Testa (Italy)*
- **16:20** Using prediction models on your IPAD to tell you the nature of an ovarian cyst  
  *E. Epstein (Sweden)*
- **16:35** The features of specific types of ovarian cyst: borderline, cystadenofibromas, granulosa and Sertoli-Leydig tumors  
  *A. Testa (Italy)*
- **16:50** Just images  
  *T. Bourne (United Kingdom)*

### 14:00 - 15:20 MSK III: Hip and groin pain; lateral ankle  
*Bayside 103*

**Chairs:** L.A. Grimshaw (Australia); M. Tucker (Australia)

- **14:00** Pregnancy related hip and groin pain  
  *L. Grimshaw (Australia)*
  *Supported by: GE Healthcare*
  *Bayside 103*
- **14:40** Ultrasound of the lateral ankle  
  *L. Grimshaw (Australia)*

### 15:20 - 15:50 Coffee and e-poster viewing  
*Bayside Grand Hall*

### 15:50 - 17:10 Workshop: Cardiovascular borderline findings  
*Bayside Auditorium A*

**Chairs:** D. Paladini (Italy); R. Chaoui (Germany); A. Abuhamad (United States)

- **15:50** Mild ventricular disproportion: does it matter?  
  *D. Paladini (Italy)*
- **16:10** Aortic arch to the right? Normal variant or cardiac defect?  
  *R. Chaoui (Germany)*
- **16:30** Cardiac axis deviation in the second and first trimester?  
  *A. Abuhamad (United States)*
- **16:50** Discussion

### 15:50 - 17:10 Workshop: Prediction of pregnancy complications  
*Bayside 204*

**Chairs:** A. Tabor (Denmark); B. Thilaganathan (United Kingdom)

- **15:50** First trimester prediction of PE  
  *J. Hyett (Australia)*
- **16:10** First / second trimester prediction of pre-term birth  
  *A. Tabor (Denmark)*
- **16:30** Prediction of complications in the third trimester  
  *E. Gratacos (Spain)*
- **16:50** Discussion

### 15:50 - 17:10 MSK IV: Intervention in pregnancy  
*Bayside 103*

**Chairs:** W. Cormick (Australia); M. Rowlinson (Australia)

- **15:50** Musculoskeletal intervention in pregnancy - buttock, lumbar spine and sciatic nerve  
  *W. Cormick (Australia); L. Hicks (Australia)*
  *Supported by: M4 / Philips*
- **17:15** ‘Meet the professor’ sessions
  - Third trimester neurosonography. what to look for  
    *G. Malinger (Israel)*
  - First trimester screening of pregnancy complications  
    *J. Hyett (Australia)*
  - Doppler in all trimesters  
    *C. Bilardo (Netherlands)*
  - Normal and abnormal corpus callosum (PEND)  
    *R. Chaoui (Germany)*
  - Endometriosis: selection for appropriate laparoscopic surgery  
    *G. Condous (Australia)*

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*Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.*
OP01: Aneuploidy and second trimester fetal anomalies  
**Chairs:** B. Benacerraf (United States); J. Vaughan (Australia)

- Prevalence, clinical impact and recurrence risk of genetic disorders in prenatal medicine: lessons from our unit over 15 years  
  A. Schrier (Germany)
- Discrepancies between antenatal and postnatal diagnosis of anomaly in recent 3 years in SNUH  
  S. Kim (Republic of Korea)
- Pregnancy termination due to fetal anomaly; women's reactions, satisfaction and experiences of care  
  N. Aspin (Sweden)
- Late termination of pregnancy in Israel: the effect of a policy change  
  R. Aviram (Israel)
- Medical termination for fetal abnormalities in the second trimester  
  H. Wong (Australia)
- Obstetrician/genetician team work, a must for quality prenatal diagnosis  
  M. Petrache (Romania)
- Prenatal diagnosis of congenital diarrhea using color Doppler ultrasonography  
  Y. Manno (Japan)
- A case of unilateral congenital short femur in an otherwise healthy infant  
  M. Kudla (Poland)
- The outcome of gastroschisis as influenced by the timing of prenatal diagnosis. A single hospital experience  
  R. Findlay (Australia)

OP02: Fetal growth restriction

**Chairs:** S. Walker (Australia); S. Eik-Nes (Norway)

- Opening of the uterine isthmus at 11-13 weeks’ gestation is not related to developmental abnormalities of the placenta  
  J. Hasegawa (Japan)
- First trimester combined screening and second trimester aorta intima-media thickness: preliminary data  
  E. Cosmi (Italy)
- Correlation of maternal ophthalmic artery Doppler indices with maternal-fetal parameters in pregnancies with fetal growth restriction: preliminary results  
  F. Barros (Brazil)
- Kidney volumes through pregnancy in adequate, small for gestational age, and intrauterine growth restricted fetuses  
  E. Cosmi (Italy)
- Doppler sonographic measurement of both umbilical arteries in pregnancies complicated by IUGR and/or PE  
  C. Hofstaetter (Switzerland)
- Being antepartum small for gestational age or not: that is the question  
  E. Cosmi (Italy)
- Fetal fat index: a novel technique to assess fetal arm fat  
  C. Knight (United Kingdom)
- Abstract withdrawn
- Perinatal outcomes of fetuses with growth restriction: comparison between two groups with different estimated fetal weight  
  F. Barros (Brazil)
- Slowing of fetal growth in late pregnancy is a feature of placental insufficiency among apparently well grown fetuses  
  S. Walker (Australia)

OP03: Early pregnancy

**Chairs:** R. Benzie (Australia); S. Reid (Australia)

- Patient satisfaction after surgical treatment of ectopic pregnancy  
  O. Olowu (United Kingdom)
- The success rate of medical management of miscarriage and its impact on the choice of miscarriage management  
  C. Wong (Australia)
- Does the presence of subchorionic haematoma increase the risk of miscarriage?  
  N. Stamatoopoulos (Australia)
- An illustrated case report of the diagnosis, treatment and follow up of Cesarean scar pregnancy occurring twice in the same patient  
  M. Baumgarten (Belgium)
- Hematosalpinx in early pregnancy: a management dilemma  
  F. Alhade (United Kingdom)
- Laparoscopic management of ectopic pregnancy: 12 year experience  
  O. Olowu (United Kingdom)
- Length and volume measurements using virtual reality in the evaluation of miscarriages  
  L. Baken (Netherlands)
- Cervical length increases in first trimester pregnancies of women undergoing in vitro fertilization treatment  
  M. Baumgarten (United Kingdom)
- Can miscarriage be predicted in women who present with a viable pregnancy at the first early pregnancy scan?  
  N. Stamatoopoulos (Australia)

OP04: Cardiac function and new technologies

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

- Cardiac conduction in early onset small for gestational age and growth restricted fetuses  
  T. Taniguchi (United Kingdom)
- Clinical course and outcome of antenatally detected atrioventricular block: experience of single tertiary centre and review of the literature  
  L. Salomon (France)
- Natural history of bradyarrhythmia with prenatally diagnosed Polysplenia  
  M. Kawataki (Japan)
- Isolated RV dysfunction: a sign of premature closure of ductus arteriosus  
  S. Gokhale (India)
- Time interval assessment of ventricular inflow patterns in normal singleton fetuses  
  Y. Kunbara (Japan)
- The new application of dual Doppler to the flow of SVC and AO  
  M. Kawataki (Japan)
- The new application of dual Doppler to Tei Index of the right heart  
  M. Kawataki (Japan)
- Delta-MPI in pathological versus uncomplicated pregnancy: a value-add to right and left mod-MPI?  
  A. Henry (Australia)
- Normal ranges for the right modified myocardial performance index (RMPI) in the Australian population using three alternative caliper placements  
  N. Meriki (Saudi Arabia)
- Assessment of area strain, twist, torsion and rotation in fetal echocardiography using three-dimensional (3D) wall motion tracking technology  
  C. Enzensberger (Germany)
OP - Monday 7 October 2013

OP22: Abnormal uterine bleeding

**Chairs:** B. Benacerraf (United States); G. McNally (Australia)

Please note these abstracts are presented at the end of the ‘Abnormal uterine bleeding’ oral communication session from 15:08hrs onwards

- **Comparison of uterus volume measurements in patients with adenomyosis using two-dimensional and three-dimensional ultrasound**
  - **H. Cho** (Republic of Korea)
- **Role of contrast-enhanced ultrasonography and quantitative analysis in the diagnosis of incomplete medical abortion**
  - **Y. Zhou** (China)
- **3D assessment of the uterine cavity by ‘Fly Thru’ imaging: a feasibility study**
  - **S. Rajendran** (Australia)
- **Inner uterine dimensions on 3D ultrasound**
  - **H. Wong** (Australia)

OP05: Fetal neurosonography

**Chairs:** D. Prayer (Austria); A. Robinson (Canada)

- **Correlation between isolated fetal cerebral ventriculomegaly and fetal and neonatal alloimmune thrombocytopenia**
  - **P. Audibert** (Canada)
- **Corroboration of normal and abnormal fetal cerebral lamination on post-mortem sonography with neuropathological examination**
  - **D. Pugash** (Canada)
- **Normal development of fetal cortical fissures: a longitudinal three-dimensional ultrasound study**
  - **A. Youssef** (Italy)
- **Nomograms for the fetal optic nerve sheath diameter**
  - **G. Malper** (Israel)
- **The clinical value of the three-dimensional ultrasonography in measurement of fetal choroid plexus and lateral ventricle volume**
  - **G. Ly** (China)
- **3D ultrasound MR fusion: an experimental approach**
  - **A. Lee** (Australia)
- **Prenatal ultrasonography evaluation of an intracranial tumor: a case report**
  - **P. Pina** (Portugal)
- **Prenatal evaluation of the conus medullaris position in normal fetuses and fetuses with spina bifida occulta with three-dimensional ultrasound**
  - **H. Xie** (China)
- **Spina bifida: don’t forget the fibers! A new sign when it’s difficult**
  - **J. Develay-Morice** (France)

OP06: Reproductive medicine

**Chairs:** N. Raine-Fenning (United Kingdom); S. Siva (Australia)

- **Transvaginal three-dimensional hysterosalpingo-contrast sonography with Sonovue versus X-ray hysterosalpingography in the evaluation of tubal patency**
  - **X. Zhang** (China)
- **Evaluation of uterine transverse diameter in Müllerian duct anomalies**
  - **M. Pascual** (Spain)
- **Fundal length decreases in first trimester pregnancies of women undergoing in vitro fertilization treatment**
  - **M. Baumgarten** (United Kingdom)
- **Three-dimensional hysterosalpingo contrast sonography with positive and negative contrast agent in infertility**
  - **L. Wang** (China)
- **Gelofusin as an ultrasound contrast agent for HyCoSy tubal patency assessment: discussion and review of first 100 cases**
  - **V. Lanzarone** (Australia)
- **Evaluation of intrauterine adhesions by SIS prior to operative hysteroscopy**
  - **J. Lerner** (United States)
- **The role of uterine transverse diameter in the diagnostic of septate uterus in clinic practice**
  - **M. Pascual** (Spain)
- **Three-dimensional ultrasonography for diagnosis of intrauterine abnormalities in women with recurrent first trimester miscarriage**
  - **M. Li** (China)
- **Reliability of measurements of junctional zone at three-dimensional transvaginal ultrasound in fertile women**
  - **C. Rasmussen** (Denmark)

OP05: Fetal neurosonography

**Chairs:** D. Prayer (Austria); A. Robinson (Canada)

- **Correlation between isolated fetal cerebral ventriculomegaly and fetal and neonatal alloimmune thrombocytopenia**
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The ISUOG Outreach program provides intensive hands-on training in ultrasound, supported by essential theoretical knowledge, in underserved regions of the world.

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Or write to us at outreach@isuog.org

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In rural settings: ISUOG Outreach
Tuesday 8 October 2013 15:30 - 16:50
Bayside 102

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Program - Tuesday 8 October 2013

08:00 - 09:20
Plenary including top abstracts  Bayside Auditorium A

09:25 - 10:05
Second trimester anomalies and aneuploidies  Bayside Auditorium A
Fetal growth and Doppler  Bayside 204
Characterising ovarian pathology  Bayside Hall B
Fetal interventions  Bayside 102
Ultrasound assessment of pre-term and term labour  Bayside 103

10:30 - 11:10
Cardiac function in the assessment and prediction of disease  Bayside Auditorium A
Maternal fetal Doppler  Bayside 204
Characterising ovarian pathology  Bayside Hall B

11:30 - 12:35
Congenital heart disease  Bayside Auditorium A
Assessment in late pregnancy and labour  Bayside 204
Ultrasound in oncology  Bayside Hall B
Imaging technologies  Bayside 102
Pelvic pain and endometriosis  Bayside 103

12:40 - 13:40
Toshiba Medical Systems satellite symposium  Bayside Auditorium A

13:45 - 15:05
CHD: from first trimester to post-mortem imaging  Bayside Auditorium A
Congenital infections  Bayside 204
Ultrasound in oncology  Bayside Hall B

15:30 - 16:50
Intrapartum ultrasound  Bayside Auditorium A
Oncology  Bayside 204
3D  Bayside Hall B
Ultrasound in rural settings: ISUOG Outreach  Bayside 102
Menopause and screening  Bayside 103

16:55 - 17:35
'Meet the professor' sessions

19:00 - 00:00
Congress party (tickets cost $125 per person)  Waterfront & Wolfies
ISUOG Education 2014

Gynecology intensive courses

Imaging in oncology (IOTA)
Course director: T. Bourne
Date: 17 - 18 January 2014
Location: London, UK

Hands on use of ultrasound to diagnose endometriosis
Course director: G. Condous
Date: 21 - 22 February 2014
Location: Sydney, Australia

Early pregnancy and infertility
Course director: T. Bourne
Date: 6 - 7 June 2014
Location: London, UK

Fees:
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Program - Tuesday 8 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 - 09:20</td>
<td>Plenary including top abstracts</td>
</tr>
<tr>
<td>08:00</td>
<td>Functional MRI and challenges: bringing MRI to fetal and maternal imaging</td>
</tr>
<tr>
<td>08:20</td>
<td>Discussion</td>
</tr>
<tr>
<td>08:25</td>
<td>Endometrial injury performed in the non-transfer cycle and assisted reproduction outcomes: a randomised controlled trial</td>
</tr>
<tr>
<td>08:33</td>
<td>Discussion</td>
</tr>
<tr>
<td>08:36</td>
<td>Three-dimensional ultrasound in diagnosis of congenital uterine anomalies comparing with magnetic resonance imaging</td>
</tr>
<tr>
<td>08:44</td>
<td>Discussion</td>
</tr>
<tr>
<td>08:47</td>
<td>Fetal cardiovascular dysfunction is present in pregnancies conceived by assisted reproductive technologies</td>
</tr>
<tr>
<td>08:55</td>
<td>Discussion</td>
</tr>
<tr>
<td>08:58</td>
<td>Second trimester cervical length and spontaneous pre-term birth in twin pregnancies</td>
</tr>
<tr>
<td>09:06</td>
<td>Discussion</td>
</tr>
<tr>
<td>09:09</td>
<td>In cases with fetal growth restriction, do the placental characteristics differ between singleton, DCDA twin and MCDA twin pregnancies?</td>
</tr>
<tr>
<td>09:17</td>
<td>Discussion</td>
</tr>
<tr>
<td>09:25 - 10:05</td>
<td>Short oral presentation (OP) sessions</td>
</tr>
<tr>
<td>10:00 - 10:30</td>
<td>Coffee and e-poster viewing</td>
</tr>
</tbody>
</table>

11 This presentation is eligible for the Young Investigator award (to be presented at the closing session).
Program - Tuesday 8 October 2013

10:30 - 11:50 Cardiac function in the assessment and prediction of disease  Bayside Auditorium A

Chairs: H. Gardiner (United States); J. Copel (United States)

10:30 LIVE SCAN: Doppler assessment of cardiac function  [Supported by: Philips*
J. Copel (United States)

10:50 Cardiac function in early onset small for gestational age and growth restricted fetuses
W. Hassan1; J. Brocksby2; M. Albery1; T. Fanelli1; J. Wladimiroff1; C. Lees1,2
1(United Kingdom); 2(Belgium)

10:55 Discussion

10:58 Fetal cardiovascular score for prediction of infant hypertension  OC12.02
and arterial remodeling in intrauterine growth restricted infants
M. Cruz Lemini; F. Crispi; B. Valenzuela-Alcaraz; F. Figueras; O. Gómez;
M. Sitges; B. Bijnen; E. Gratacós (Spain)

11:03 Discussion

11:06 Pre-ejection period alterations detected by tissue Doppler imaging in fetuses with right ventricular volume overload
E. Sinkovskaya; A. Klassen; A. Abuhamad (United States)

11:11 Discussion

11:14 Monitoring cholestasis of pregnancy using the fetal modified myocardial performance index (mod-MPI)
A. Henry; A. Welsh (Australia)

11:19 Discussion

11:22 Should elective deliveries be delayed in pregnancies complicated by major fetal cardiac anomalies?
N. Dadlez; S. Brubaker; B. Yilmaz; L. Simpson; I. Williams (United States)

11:27 Discussion

11:30 Pulmonary vasoreactivity to materno-fetal hyperoxgenation in fetuses with hypoplastic left heart
C. Enzensberger; A. Tenzer; J. Degenhardt; T. Kohl;
R. Axt-Fiedler (Germany)

11:35 Discussion

11:38 Three-dimensional (3D) speckle tracking in fetal echocardiography: a new technology in assessment of fetal heart function
C. Enzensberger; A. Tenzer; A. Doelle; J. Degenhardt;
R. Axt-Fiedler (Germany)

11:43 Discussion

10:30 - 11:50 Maternal fetal Doppler  Bayside 204

Chairs: K. Hecher (Germany); C. Brezinka (Austria)

10:30 LIVE SCAN: maternal cardiac function  [Supported by: Samsung Medison*
K. Russo (Australia)

10:50 Assessing quality standards in the measurement of maternal uterine artery Doppler parameters at 11-14 weeks gestation
G. Ridding1; A. McLennan1; D. Sahota1
1(Australia); 1(Hong Kong)

10:55 Discussion

10:58 Doppler-based parameters of fetal pulmonary vascular resistance: baseline trends and response to maternal hyperoxia in the second and third trimesters
Y. Yamamoto1,2; A. Hirose3; W. Savard4; V. Jain5; L. Hornberger6
1(Canada); 2(Japan)

11:03 Discussion

11:06 Prenatal scale for cardiovascular risk in intrauterine growth restriction
E. Cosmi; M. Rampon; S. Visentin; M. Bertin (Italy)

11:11 Discussion

11:14 Prediction of intra-partum fetal compromise in normal pregnancies: a composite risk score
T. Prior; E. Mullins; P. Bennett; S. Kumar (United Kingdom)

11:19 Discussion

11:22 Antenatal ultrasound screening of placenta and umbilical cord for predicting non-fetal reassuring status during labour
T. Arakaki; H. Ose; J. Hasegawa; M. Nakamura; K. Ichizuka; M. Mishina;
A. Sekizawa (Japan)

11:27 Discussion

11:30 Maternal carotid remodeling and arterial stiffness in normal late-gestational pregnancy as assessed by radio-frequency ultrasound technique
L. Yuan; Y. Duan; D. Xue; T. Cao; N. Zhou (China)

11:35 Discussion

11:38 Maternal cardiac function in women deemed high-risk for pre-eclampsia with subsequent normal and adverse outcomes
K. Russo; R. Grivell; L. Simmons; J. Hyett (Australia)

11:43 Discussion

10:30 - 11:50 Characterising ovarian pathology  Bayside Gallery B

Chairs: T. Bourne (United Kingdom); R. Benzie (Australia)

10:30 What role does ultrasound play in my day-to-day clinical management of ovarian masses and selecting younger women for fertility sparing surgery
R. Hogg (Australia)

10:45 Early diagnosis in ovarian cancer: role of transvaginal color Doppler ultrasound. A fourteen year experience
M. Pascual; B. Graupera; L. Hereter; F. Tresserra; M. Cusido;
I. Rodríguez (Spain)

10:50 Discussion

10:53 The additive value of HE4 novel tumor marker to the IOTA simple rules in the management of ovarian masses
B. Erdobi; Z. Krasznai; E. Maka; L. Órdög; H. Baille; Z. Tóth;
A. Jakab (Hungary)

10:58 Discussion

11:01 Clinical and ultrasound characteristics of tubal cancer
M. Ludovisi1; I. De Blasis2; B. Virgilio1; C. Giancarluca1; D. Fischerova2;
D. Franchi1; M. Pascual1; L. Savelli1; E. Epistemi1; C. Van Holsbeke2;
S. Gueriniero1; A. Czekierdowski2; D. Jurkovic1; A. Rossi1; D. Timmerman1;
F. Mascelli1; L. Valentini1; A. Testa1
1(Italy); 2(Czech Republic); 1(Spain); 1(Sweden); 1(Belgium); 1(Poland);
2(United Kingdom)

11:06 Discussion

* Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.
### Program - Tuesday 8 October 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:09</td>
<td>Ultrasound in female genital tuberculosis: a retrospective series</td>
<td>OC14.04</td>
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<tr>
<td>11:14</td>
<td>Discussion</td>
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<tr>
<td>11:17</td>
<td>Clinical and ultrasound features of type I and type II epithelial ovarian cancer</td>
<td>OC14.05</td>
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<tr>
<td>11:22</td>
<td>Discussion</td>
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<tr>
<td>11:25</td>
<td>The prevalence of ovarian lesions in asymptomatic post-menopausal women</td>
<td>OC14.06</td>
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<tr>
<td>11:30</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>11:33</td>
<td>The predictive value of subjective assessment, IOTA simple rules (SR), IOTA logistic regression model 1 (LR1), Alcazar’s GI-RADS model and a risk of malignancy (RMI) model in the pre-operative discrimination of adnexal masses</td>
<td>OC14.07</td>
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<tr>
<td>11:38</td>
<td>Discussion</td>
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<tr>
<td>11:41</td>
<td>IOTA simple rules for discriminating between benign and malignant adnexal masses: a prospective external validation</td>
<td>OC14.08</td>
</tr>
<tr>
<td>11:46</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>11:55 - 12:35</td>
<td>Short oral presentation (OP) sessions</td>
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<tr>
<td><strong>OP12:</strong> Congenital heart disease</td>
<td>Bayside Auditorium A</td>
<td></td>
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<tr>
<td><strong>Chairs:</strong> D. Paladini (Italy); M. Herrera (Colombia)</td>
<td></td>
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<tr>
<td><strong>OP13:</strong> Assessment in late pregnancy and labour</td>
<td>Bayside 204</td>
<td></td>
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<tr>
<td><strong>Chairs:</strong> K. Kalache (Germany); K. Stone (Australia)</td>
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<tr>
<td><strong>OP14:</strong> Ultrasound in oncology</td>
<td>Bayside Gallery B</td>
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<tr>
<td><strong>Chairs:</strong> R. Hogg (Australia); A. Khurana (India)</td>
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<tr>
<td><strong>OP15:</strong> Imaging technologies</td>
<td>Bayside 102</td>
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<tr>
<td><strong>Chairs:</strong> D. Frayer (Austria); K. Leung (China)</td>
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<tr>
<td><strong>OP16:</strong> Pelvic pain and endometriosis</td>
<td>Bayside 103</td>
<td></td>
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<tr>
<td><strong>Chairs:</strong> B. Beracerraf (United States); S. Piessens (Australia)</td>
<td></td>
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<tr>
<td>12:15 - 13:45</td>
<td>Lunch and e-poster viewing</td>
<td>Bayside Grand Hall</td>
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<tr>
<td>13:45 - 15:05</td>
<td>Congenital infections</td>
<td>Bayside 204</td>
</tr>
<tr>
<td><strong>Chairs:</strong> V. Ville (France); J. Smoleniec (Australia)</td>
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<tr>
<td><strong>CMV: beyond images</strong></td>
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<tr>
<td><strong>Chairs:</strong> Y. Ville (France)</td>
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<td><strong>14:05</strong></td>
<td>LIVE SCAN: congenital infection ultrasound work up</td>
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<td><strong>[Supported by: Toshiba]</strong></td>
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<td><strong>C. Bilardis</strong> (Netherlands)</td>
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<td>14:25</td>
<td>Congenital cytomegalovirus infection: prenatal disease assessment</td>
<td>OC16.01</td>
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<tr>
<td><strong>L. Levitt; H. Amsalem; D. Valsky; N. Yanai; D. Hochner-Celniker; D. Wolf; S. Yagel</strong> (Israel)</td>
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<tr>
<td>14:30</td>
<td>Discussion</td>
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<tr>
<td>14:33</td>
<td>Fetal white matter abnormalities in cytomegalovirus infection</td>
<td>OC16.02</td>
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<tr>
<td><strong>D. Prosser; G. Henderson; C. Dunham; D. Money</strong> (Canada)</td>
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<tr>
<td>14:38</td>
<td>Discussion</td>
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<tr>
<td>14:41</td>
<td>Prenatal MRI hypersignal intensity of the white matter in T2 weight sequences in cytomegalovirus infection: myth or reality</td>
<td>OC16.03</td>
</tr>
<tr>
<td><strong>B. Deloison; L. Salomon; P. Sonigo; M. Nicloux; A. Mittfischer; J. Magny; F. Brunelle; Y. Ville</strong> (France)</td>
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<tr>
<td>14:46</td>
<td>Discussion</td>
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<tr>
<td>14:49</td>
<td>Management and long term outcomes of parvovirus infection</td>
<td></td>
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<tr>
<td><strong>J. Smoleniec</strong> (Australia)</td>
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</tbody>
</table>
Program - Tuesday 8 October 2013

13:45 - 15:05 Ultrasound in oncology  Bayside Gallery B

13:45 The role of Tru-cut biopsies in the management of oncology patients  
M. Zikan (Czech Republic)  
K. Paladottir¹; D. Fischerova¹; D. Franchi¹; A. Di Legge¹; A. Testa¹; E. Epstein¹  
¹(Sweden); ¹(Czech Republic); ¹(Italy)

14:00 Can ultrasound predict deep stromal invasion and lymph node involvement in patients with early stage cervical cancer? A prospective multicenter study on 2D and 3D ultrasound  
K. Paladottir¹; D. Fischerova¹; D. Franchi¹; A. Di Legge¹; A. Testa¹; E. Epstein¹  
¹(Sweden); ¹(Czech Republic); ¹(Italy)

14:05 Discussion

14:08 Discussion

14:16 Discussion

14:21 Discussion

14:24 Discussion

14:29 Discussion

14:37 Discussion

14:45 Discussion

14:55 Discussion

15:05 - 15:30 Coffee and e-poster viewing  Bayside Grand Hall

15:30 - 16:50 Workshop: Intrapartum ultrasound  Bayside Auditorium A

15:30 Overview of potential indications and contribution to improved management  
D. Ellwood (Australia)

15:40 ISUOG discussant: needs assessment  
A. Abuhamad (United States)

15:45 Discussion

15:50 Assessment of fetal head position and station at full dilation: case presentations  
K. Kalache (Germany)

16:10 Ultrasound pre-instrumental delivery  
K. Salvesen (Norway)

16:30 Discussion

15:30 - 16:50 Workshop: Oncology  Bayside 204

15:30 MRI and ultrasonography to delineate early cervical cancer  
E. Epstein (Sweden)

15:50 LIVE SCAN: Staging gynecological malignancy  
[Supported by: GE Healthcare*]  
and predicting optimal cytoreduction  
A. Testa (Italy)

16:10 How to recognise the extent of endometrial cancer: gray scale and colour Doppler findings in endometrial cancer in relation to grade, stage and tumor size  
E. Epstein (Sweden)

16:30 Diagnosing primary and recurrent borderline tumors  
A. Testa (Italy)

15:30 - 16:50 Workshop: 3D  Bayside Gallery B

15:30 Introduction  
L. Platt (United States)

15:35 The value of 3D in the patient presenting with pelvic pain  
B. Benacerraf (United States)

15:55 Updates in 3D/4D assessment of the fetal heart  
W. Lee (United States)

16:15 Techniques to improve your 3D / 4D imaging in obstetrics  
B. Benoit (France)

16:35 Discussion

15:30 - 16:50 Workshop: Ultrasound in rural settings: ISUOG Outreach  Bayside 102

15:30 Welcome  
A. Abuhamad (United States)

15:35 The prevalence of prenatal conditions detected by ultrasound in a rural clinic in Uganda  
K. DeStigter²; S. Souza²; M. Rielly²; M. Nelson²; E. Siffert²; M. Kaooyya²; A. Matovu²; B. Garry²  
²(India); ²(United States); ²(Uganda)

15:40 ISUOG discussant: needs assessment  
A. Abuhamad (United States)

15:45 Discussion

*Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.
Program - Tuesday 8 October 2013

15:50 A comparative evaluation of a simplified, low-cost ultrasound protocol with standard obstetrical ultrasonography in the recognition of common prenatal diagnoses G. Morey1; K. DeSliger2; P. Kim3; M. Riedly4; S. Souza5; F. Miele6; M. Nelson7; E. Siffert5; M. Kawooya2; B. Garra2 1(India); 2(United States); 3(Uganda)

15:55 ISUOG discussant: equipment and diagnostic need S. Eik-Nes (Norway)

16:00 Discussion

16:05 To what extent does ultrasound estimation of gestational age affect the rate of pre-term births in a rural population in sub-Saharan Africa (sSA)? B. Kemp1,2; A. Koech2; H. Mwangudzah2; A. Seale1,2; S. Kennedy1; J. Berkley1,2; A. Papageorghiou1 1(United Kingdom); 2(Kenya)

16:10 ISUOG discussant: monitoring and evaluation D. Paladini (Italy)

16:15 Discussion

16:20 Antenatal ultrasound in rural Kenya: the perceptions and expectations of pregnant women D. Oluoch2; B. Kemp1,2; N. Mwangome2; A. Papageorghiou1; S. Kennedy1; J. Berkley1,2; C. Jones1,2 1(United Kingdom); 2(Kenya)

16:25 Australian Outreach: opportunities and challenges for Outreach in a developed country N. Parange (Australia)

16:30 Closing discussion

15:30 - 16:50 Workshop: Menopause and screening Bayside 103

Chairs: S. Campbell (United Kingdom); F. Scott (Australia)

15:30 The current evidence base relating to ovarian and endometrial cancer screening S. Campbell (United Kingdom)

15:50 Simple cysts in post-menopausal women: prevalence, risk of malignancy and management L. Jokubkiene (Sweden)

16:10 Investigating women with post-menopausal bleeding and the management of asymptomatic polyps V. Laszaroni (Australia)

16:30 Mammographic screening: early detection or over diagnosis R. Baber (Australia)

16:55 - 17:35 ‘Meet the professor’ sessions Bayside 204

The Sherlock Holmes approach to syndromes involving the face B. Benacerraf (United States)

Update in the management of IUGR E. Grañacó (Spain)

Early fetal echocardiography J. Carvalho (United Kingdom)

How to characterise uterine anomalies in practice N. Raine-Fenning (United Kingdom)

OP - Tuesday 8 October 2013

OP07: Second trimester anomalies and aneuploidies Bayside Auditorium A

Chairs: S. Eik-Nes (Norway); T.K. Lau (Hong Kong)

A comparison of three-dimensional volume sonography to two-dimensional second trimester anatomic surveys in a Canadian healthcare context M. Roy-Lanoo (Canada)

Contribution of color Doppler in diagnosis of fetal malformations N. Vecek (Croatia)

Identifying chromosomal anomalies: a two-line approach J. Weichert (Germany)

The transverse septum stylish view on 2D ultrasound for the detection of cleft palate M. Alberty (United Kingdom)

Normal traced thorax area: transversal study from Latin America M. Yamamoto (Chile)

A rare case of left sided congenital diaphragmatic hernia and bilateral congenital cystic adenomatoid malformation (CCAM)/pulmonary sequestration E. Inglis (Australia)

Subdiaphragmatic echogenic masses: prenatal diagnosis and outcome J. Ochoa (Argentina)

Case of vellamentous vessels in an amniotic band: a “not to touch case” M. Yamamoto (Chile)

OP08: Fetal growth and Doppler Bayside 204

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

Comparison of centile charts: does ethnicity and methodology matter? S. McArthur (Australia)

Screening for SGA fetuses: one-year audit in high-risk pregnancy department. How good or bad are we? J. Nizard (France)

Reduced fetal movements at term: association to second trimester uterine artery Doppler assessment G. Pagani (United Kingdom)

Uterine artery Doppler in predicting pregnancy outcome in women with chronic hypertension G. Recoredo (Chile)

Brachial artery flow-mediated dilatation as a predictor of pre-eclampsia in the second trimester of pregnancy F. Costa (Australia)

The effects of S-nitrosoglutathione on maternal and fetal Doppler in early-onset pre-eclampsia T. Everett (United Kingdom)

A comparison of fetal Doppler indices between primiparous and multiparous women T. Prior (United Kingdom)

Measurement of fetal arterial pulse wave velocity: approach to prenatal cardiovascular properties applying ultrasonic phased tracking method S. Miyashita (Japan)

The challenge to measure the fetal thymus and the adrenal gland-learning curve and reproducibility in the PRINCE prospective birth cohort A. Diemert (Germany)

Comprehensive ultrasound evaluation of short-term fetal effects of dexamethasone and betamethasone A. Henry (Australia)

Fetal growth and growth velocity in gastrochisis R. Rana (United Kingdom)

Towards a better understanding of the developmental origins of disease R. Nanan (Australia)
**OP - Tuesday 8 October 2013**

**OP09: Characterising ovarian pathology**

**Bayside Gallery B**

**Chairs:** M. Zikan (Czech Republic); A. Testa (Italy)

1. Decidualization of endometrioma during pregnancy mimicking a malignant ovarian tumor
   - **OP09.01**
   - Dr. B. Graupera (Spain)

2. Reproducibility of simple rules for assessing adnexal masses in real-time US examination
   - **OP09.02**
   - Dr. J. Alcazar (Spain)

3. Ultrasound characteristics of ovarian cystoadenofibromas
   - **OP09.03**
   - Dr. F. Mascilini (Italy)

4. Fetal ovarian cysts
   - **OP09.04**
   - Dr. L. Laursen (Denmark)

5. A prospective study on the diagnostic accuracy of color Doppler ultrasonography in the differentiation of benign and malignant ovarian neoplasms
   - **OP09.05**
   - Dr. K. Reforma (Philippines)

6. Predicting malignancy in entirely solid-appearing adnexal masses on gray-scale ultrasound based on additional ultrasound findings, clinical complaints and biochemical parameters: a retrospective study
   - **OP09.06**
   - Dr. J. Alcazar (Spain)

7. Ultrasound guided drainage of tubo-ovaric abscess: high cure rates and no complications
   - **OP09.07**
   - Dr. M. Yamamoto (Chile)

**OP10: Fetal interventions**

**Bayside 102**

**Chairs:** K. Hecher (Germany); B. Thilaganathan (United Kingdom)

1. Fetal pulmonary valvuloplasty by percutaneous transhepatic access in a lamb model
   - **OP10.01**
   - Dr. A. Edwards (Australia)

2. Sealing of iatrogenic fetal membrane defects after fetoscopic surgery for congenital diaphragmatic hernia by collagen plugs
   - **OP10.02**
   - Dr. J. Deprest (Belgium)

3. Added value of website based parent information about intrauterine treatment for severe congenital diaphragmatic hernia
   - **OP10.03**
   - Dr. J. Deprest (Belgium)

4. Trends in outcomes of monochorionic diamniotic twins after fetal surgery in Japan, 2001-2010
   - **OP10.04**
   - Dr. H. Sago (Japan)

5. Impact of the gestational age at the TTTS diagnosis and laser treatment on the pregnancy outcome: a modified Quintero staging
   - **OP10.05**
   - Dr. K. Pras (Poland)

6. Monitoring of fetal heart rate during intrauterine meningocele repairs: preliminary results from a single reference service in Brazil
   - **OP10.06**
   - Dr. F. Barros (Brazil)

7. Fetomaternal hemorrhage in invasive prenatal diagnostic procedures: chorionic villus sampling, amniocentesis
   - **OP10.07**
   - Dr. M. Lubusky (Czech Republic)

8. Effect of cervical cerclage on labour course and obstetric outcome
   - **OP10.08**
   - Dr. J. Shin (Republic of Korea)

**OP11: Ultrasound assessment of pre-term and term labour**

**Bayside 103**

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

1. Does the presence of obvious cervical mucous affect the determination of the internal os and the cervical length measurement?
   - **OP11.01**
   - Dr. J. Thomas (Australia)

2. 3D evaluation of the cervix during pregnancy: the relationship between cervical volume and pre-term delivery
   - **OP11.02**
   - Dr. T. Shipp (United States)

3. Intra-amniotic sludge observed at cervical ultrasound and the risk of pre-term delivery
   - **OP11.03**
   - Dr. F. Audibert (Canada)

4. Non-invasive prediction of intra-amniotic infection and/or inflammation in patients with cervical insufficiency or an asymptomatic short cervix (≤15 mm)
   - **OP11.04**
   - Dr. E. Jung (Republic of Korea)

5. Induction of labour in pre-term pregnancies compared with term pregnancies
   - **OP11.05**
   - Dr. B. Han (Republic of Korea)

6. Sonographic funneling of uterine cervix as predictor for success of labour induction
   - **OP11.06**
   - Dr. E. Kim (Republic of Korea)

7. Pre and post-ripening sonographic assessment of cervix for predicting successful induction of labour
   - **OP11.07**
   - Dr. M. Cordoba (United States)

8. Relationship between ultrasound and Dopplerometry in labour and fetal hypoxia
   - **OP11.08**
   - Dr. O. Eremina (Russian Federation)

**OP12: Congenital heart disease**

**Bayside Auditorium A**

**Chairs:** D. Paladini (Italy); M. Herrera (Colombia)

1. The detection rate of cardiac anomalies at 11 - 13+6 weeks scan using four chamber
   - **OP12.01**
   - Dr. M. Batra (India)

2. Early evaluation of fetal heart anatomy: a prospective study from 6 to 10 weeks’ gestation
   - **OP12.02**
   - Dr. C. Votino (Belgium)

3. Fetal heart anomalies detected during first trimester screening test in a mixed population
   - **OP12.03**
   - Dr. H. Yazicioglu (Turkey)

4. The analysis of fetal echocardiographic reference value and study on relationship of these measurements with gestational age (I)
   - **OP12.04**
   - Dr. Y. He (China)

5. Antenatal accuracy of fetal echocardiography in the diagnosis of fetal coarctation of aorta
   - **OP12.05**
   - Dr. E. Kim (Republic of Korea)

6. HDlive rendering images of the fetal heart
   - **OP12.06**
   - Dr. H. Yaziqolu (Turkey)

7. Added value of website based parent information about intrauterine treatment for severe congenital diaphragmatic hernia
   - **OP12.07**
   - Dr. J. Deprest (Belgium)

8. Trends in outcomes of monochorionic diamniotic twins after fetal surgery in Japan, 2001-2010
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10. Monitoring of fetal heart rate during intrauterine meningomyelocele repairs: preliminary results from a single reference service in Brazil
    - **OP12.10**
    - Dr. F. Barros (Brazil)

11. Fetomaternal hemorrhage in invasive prenatal diagnostic procedures: chorionic villus sampling, amniocentesis
    - **OP12.11**
    - Dr. M. Lubusky (Czech Republic)

12. Effect of cervical cerclage on labour course and obstetric outcome
    - **OP12.12**
    - Dr. J. Shin (Republic of Korea)
TUESDAY SHORT ORAL PRESENTATIONS

OP - Tuesday 8 October 2013

OP13: Assessment in late pregnancy and labour  
Bayside 204

Chairs: K. Kalache (Germany); K. Stone (Australia)

Cerebral blood flow redistribution in fetuses with congenital heart disease  
OP13.01
F. D’Antonio (United Kingdom)

Does maternal psychological status affect placental-fetal blood flow circulation during pregnancy: a pilot study  
OP13.02
J. Fu (China)

Cerebral arteries Doppler indices in mild chronic hypertensive pregnant women  
OP13.03
R. Sa (Brazil)

The effect of antenatal dietary and lifestyle advice on fetal growth in women who are overweight or obese: findings from the LIMIT randomised trial  
OP13.04
R. Grieve (Australia)

Reduced fetal movements at term: association to first trimester PAPP-A level  
OP13.05
G. Papazi (United Kingdom)

Fetal ultrasound examinations in women affected by late gestational hypertension and third trimester ultrasound growth scan values to predict the onset of late gestational hypertension  
OP13.06
E. Cosmi (Italy)

How useful is ultrasonography in predicting fetal outcome in pregnant women who perceived decreased fetal movement in low risk population after 28 weeks of pregnancy: systematic review  
OP13.07
G. Olwy (United Kingdom)

Histological chorioamnionitis in the Northern Territory is associated with rural and remote residence rather than ethnicity  
OP13.08
C. Obrey (Australia)

Cardiovascular indices in the early identification of pre-eclampsia in women presenting with gestational hypertension  
OP13.09
A. Khalil (United Kingdom)

Prediction of fetal compromise using ultrasound in low-risk postdates pregnancies  
OP13.10
A. Khalil (United Kingdom)

OP14: Ultrasound in oncology  
Bayside Gallery B

Chairs: R. Hogg (Australia); A. Khurana (India)

The value of contrast-enhanced ultrasound for differential diagnosis of subserous myoma and ovarian fibroma  
OP14.01
X. Zhang (China)

Saline-infusion sonography compared with saline-infusion sonography endometrial sampling in diagnosing endometrial pathology  
OP14.02
D. Twickler (United States)

Prevalence of lymphocysts after pelvic and paraaortic lymphadenectomy and treatment with minimvasive ultrasound-guided drainage  
OP14.03
M. Zikan (Czech Republic)

3- and 2 dimensional transvaginal ultrasound with power Doppler and gel infusion for diagnosis of malignancy in women with postmenopausal bleeding  
OP14.04
M. Dueholm (Denmark)

Prediction of benign and malignant endometrial changes with the use of IETA group descriptors  
OP14.05
A. Czekierdowski (Poland)

Temporal validation of five mathematical models for calculating the risk of endometrial malignancy in women with postmenopausal bleeding and sonographic endometrial thickness >4.5 mm  
OP14.06
P. Stadlerius (Sweden)

Transvaginal ultrasound assessment of myometrial and cervical stroma invasion in endometrial cancer: can any gynecologist do the job?  
OP14.07
L. Jöger (Sweden)

Diagnostic performance of transvaginal sonography for the assessment of myometrial invasion in cases of endometrial cancer  
OP14.08
A. Gaurilcikas (Lithuania)

Gray-scale and color Doppler ultrasonic characteristics of endometrial cancer in relation to stage  
OP14.09
S. Lund (Denmark)

OP15: Imaging technologies  
Bayside 102

Chairs: D. Prayer (Austria); K. Leung (China)

Evaluation of the additional value of fetal MRI in fetal anomalies diagnosed by ultrasound and postnatal correlation of the findings  
OP15.01
B. Verburg (Australia)

Automatic fetal head detection on video clips from a low-cost portable USB ultrasound (US) device  
OP15.02
A. Papageorghiou (United Kingdom)

Tele-ultrasound in obstetrics and gynecology: implementation, image quality analysis and clinical application of a low-cost and easy-to-use platform  
OP15.03
F. Costa (Australia)

Intravascular index and ratio of potential to kinetic energy: two novel parameters derived from continuous-wave Doppler ultrasound  
OP15.04
A. Khalil (United Kingdom)

New quantitative analysis of uteroplacental perfusion using Doppler and contrast-enhanced ultrasound imaging  
OP15.05
F. Perrin (France)

Influence of attenuation upon three-dimensional power Doppler indices and STIC volumetric pulsatility index: a flow-phantom experiment  
OP15.06
W. Martins (Brazil)

Influence of pulse repetition frequency adjustment on three-dimensional power Doppler indices and STIC volumetric pulsatility index using an in vivo model  
OP15.07
W. Martins (Brazil)

Quantification of cervix’s elastography in assessing the risk of pre-term delivery  
OP15.08
L. Sabiani (France)

Ultrasound and signs of invasive placenta: systematic review and meta analysis  
OP15.09
F. D’Antonio (United Kingdom)

OP15.10
OP - Tuesday 8 October 2013

OP16: Pelvic pain and endometriosis  Bayside 103

Chairs: B. Benacerraf (United States); S. Piessens (Australia)

The use of the soft marker, site-specific tenderness at TVS, in the pre-operative mapping of peritoneal endometriosis  OP16.01

S. Reid (Australia)

MRI and ultrasound fusion imaging for diagnosing deep infiltrating endometriosis  OP16.02

A. Millischer (France)

Extended transvaginal ultrasound in deep endometriosis: use of bowel preparation and acoustic window with intravaginal gel  OP16.03

M. León (Chile)

Ultrasound diagnosis of anomalies of uterine cervix and uterus for cervical reconstruction  OP16.04

D. Deka (Italy)

Diagnostic accuracy of presence of kissing ovaries at transvaginal ultrasonography as a soft markers of posterior severe deep endometriosis  OP16.05

S. Guerrero (Italy)

Is there a relationship between the position of the uterus and the presence of deep infiltrating endometriosis?  OP16.06

S. Reid (Australia)

Same day ultrasound imaging and laparoscopic surgery for the diagnosis of deep infiltrating endometriosis  OP16.07

J. Ludlow (Australia)

Endometrial hyperplasia: ultrasonographic features using IETA (International Endometrial Tumor Analysis) terms  OP16.08

B. Graupera (Spain)
10th ISUOG International Symposium
Beijing, China
26 - 28 April 2014

Ultrasonography in Obstetrics and Gynecology: from basic to advanced

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Prof. Yu-xin Jiang (Beijing)
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Dr. KY Leung (Hong Kong)
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Prof. Qing DAI (Beijing)

Critical dates

October 2013
Call for papers
Registration opens

31 December 2013
Abstract submission deadline
Exhibition and sponsorship deadline

26 February 2014
Early bird registration deadline

Visit isuog.org/events/internationalsymposia for more details

Program - Wednesday 9 October 2013

08:00 - 08:40
‘Meet the professor’ sessions

08:00 - 08:40
Imaging of pelvic floor trauma
H.P. Dietz (Australia)

08:45 - 10:05
Aneuploidy and second trimester fetal anomalies II
Bayside Auditorium A

Chairs: D. Pugash (Canada); S. Meagher (Australia)

08:45 LIVE SCAN [Supported by: Siemens*]
A. Papageorghiou (United Kingdom)

09:05 Abnormal images
B. Benacerraf (United States)

09:20 Discussion

09:25 The prenasal thickness to nasal bone length ratio: 2D versus 3D ultrasound
E. de Jong*, F. Vos*, K. Kagaar*, L. Ribbert*, E. Tromp*, C. Bilardo* (Netherlands); (Germany)

09:30 Discussion

09:33 N-terminal pro-B-type natriuretic peptide and cardiac troponin T in non-immune hydrops
S. Lee; J. Jun; M. Kang; S. Kim; B. Kim; J. Lee; C. Park; J. Park (Republic of Korea)

09:38 Discussion

09:41 Differentiating fetal hydrops: sonographic landmarks
D. Hartge; A. Schröer; J. Weichert (Germany)

09:46 Discussion

09:49 Prenatal ultrasound and magnetic resonance imaging findings in fetuses with heart defect associated with congenital diaphragmatic hernia
P. Javadian; A. Shamshirsaz; D. Cass; I. Zamora; T. Lee; C. Cassady; N. A. Ayres; A. Mahollin-Ray; C. Fernandes; S. Welty; J. A. Kalin; S. A. Maskati; O. Olutoye; M. Belfort; R. Ruano (United States)

09:54 Discussion

09:57 Mode of delivery and neonatal outcome of infants with isolated gastroschisis
R. Vie; M. Komar; M. Rygl; P. Hanulikova; I. Spalova; M. Černý (Czech Republic)

10:02 Discussion

* Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.
## Program - Wednesday 9 October 2013

### Urogynecology

**Bayside 204**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairs</th>
<th>Location</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:45 - 10:05</td>
<td><strong>Urogynecology</strong></td>
<td><strong>Chairs:</strong> S. Yagel (Israel); A. Korda (Australia)</td>
<td><strong>Bayside 204</strong></td>
<td><strong>A. Korde</strong> (Australia)</td>
</tr>
<tr>
<td>08:45</td>
<td>Relevance of pelvic floor ultrasound for planning urogynecologic surgery</td>
<td><strong>A. Korde</strong> (Australia)</td>
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</tr>
<tr>
<td>09:00</td>
<td>Graft related complications in urogynecology</td>
<td><strong>J. Deprest</strong> (Belgium)</td>
<td></td>
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<tr>
<td>09:15</td>
<td>Recurrence after prolapse surgery: does partial avulsion matter?</td>
<td><strong>A. Pilzek</strong>&lt;sup&gt;1&lt;/sup&gt;; C. Shek&lt;sup&gt;1&lt;/sup&gt;; R. Guzman Rojas&lt;sup&gt;1&lt;/sup&gt;; I. Kamisian Alan&lt;sup&gt;1&lt;/sup&gt;; H.P. Dietz&lt;sup&gt;1&lt;/sup&gt;; H.P. Dietz&lt;sup&gt;2&lt;/sup&gt;; 1(Australia); 2(United States)</td>
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<tr>
<td>09:20</td>
<td>Discussion</td>
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<tr>
<td>09:23</td>
<td>Residual sphincter defects and symptoms in women examined within one year from a delivery with OASIS</td>
<td><strong>V. Eisenberg; M. Alcalay; G. Bitman; R. Achiron; E. Schiff</strong> (Israel)</td>
<td></td>
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<tr>
<td>09:28</td>
<td>Discussion</td>
<td></td>
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</tr>
<tr>
<td>09:31</td>
<td>Imaging of the urethral diverticulum with 4D transperineal ultrasound</td>
<td><strong>V. Eisenberg; M. Alcalay; G. Bitman; R. Achiron; E. Schiff</strong> (Israel)</td>
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<td>09:36</td>
<td>Discussion</td>
<td></td>
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<tr>
<td>09:39</td>
<td>Bladder support after laparoscopic sacrocolpopexy: where is the mesh?</td>
<td><strong>V. Wong; R. Guzman Rojas; C. Shek; D. Chou; K. Moore; H.P. Dietz</strong> (Australia)</td>
<td></td>
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<td>09:44</td>
<td>Discussion</td>
<td></td>
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<td>09:47</td>
<td>Levator ani muscle injury after instrumental delivery in Chinese primiparous women</td>
<td><strong>S. Chai; M. Chung; G. Wan; R. Cheung</strong> (Hong Kong)</td>
<td></td>
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<tr>
<td>09:52</td>
<td>Discussion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:55</td>
<td>The latency between pelvic floor trauma and presentation for prolapse surgery</td>
<td><strong>V. Thomas; C. Shek; R. Guzman Rojas; H. Dietz</strong> (Australia)</td>
<td></td>
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</tr>
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<td>10:00</td>
<td>Discussion</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Making obstetrians safer through ultrasound

**Bayside Gallery B**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairs</th>
<th>Location</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:45 - 10:05</td>
<td><strong>Making obstetrians safer through ultrasound</strong></td>
<td><strong>Chairs:</strong> K. Salvesen (Norway); K. Maršál (Sweden)</td>
<td><strong>Bayside Gallery B</strong></td>
<td><strong>A. Korde</strong> (Australia)</td>
</tr>
<tr>
<td>08:45</td>
<td>Uterine scar in the first trimester</td>
<td><strong>A. Korde</strong> (Australia)</td>
<td></td>
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</tr>
<tr>
<td>09:00</td>
<td>Who should perform obstetrical ultrasound in the primary health care centers? A need to be consequent with our reality</td>
<td><strong>F. Guerra; P. Moore; E. Acuña; J. Mansilla</strong> (Chile)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:05</td>
<td>Discussion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:08</td>
<td>Is the objective structured assessment of ultrasound skills (OSAUS) a reliable and valid tool to assess ultrasound skills?</td>
<td><strong>M. Tolsgaard</strong>&lt;sup&gt;1&lt;/sup&gt;; E. Dreisler&lt;sup&gt;1&lt;/sup&gt;; A. Klemmensen&lt;sup&gt;1&lt;/sup&gt;; A. Loff&lt;sup&gt;1&lt;/sup&gt;; J. Sorensen&lt;sup&gt;1&lt;/sup&gt;; C. Ringsted&lt;sup&gt;1&lt;/sup&gt;; B. Ottesen&lt;sup&gt;1&lt;/sup&gt;; A. Tabor&lt;sup&gt;2&lt;/sup&gt;; 1(Denmark); 2(Canada)</td>
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<tr>
<td>09:13</td>
<td>Discussion</td>
<td></td>
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</tr>
<tr>
<td>09:16</td>
<td>Comparison of the sonographic healing of the Cesarean scar following a single or double-layer suture: a randomised trial</td>
<td><strong>A. Guyot; J. Stenman; P. Capmas; L. Buisseries; M. Sozzafava; H. Fernandez; Y. Ville</strong> (France)</td>
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</tr>
<tr>
<td>09:21</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

### First trimester screening

**Bayside Auditorium A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairs</th>
<th>Location</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 - 11:50</td>
<td><strong>First trimester screening</strong></td>
<td><strong>Chairs:</strong> L. Platt (United States); A. McLennan (Australia)</td>
<td><strong>Bayside Auditorium A</strong></td>
<td><strong>J. Hyett</strong> (Australia)</td>
</tr>
<tr>
<td>10:30</td>
<td>LIVE SCAN</td>
<td><strong>Supported by:</strong> Samsung Medison*</td>
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<tr>
<td>10:50</td>
<td>The impact of NIPT on diagnostic procedures</td>
<td><strong>L. Platt</strong> (United States)</td>
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<tr>
<td>11:10</td>
<td>Discussion</td>
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<tr>
<td>11:15</td>
<td>Non-invasive prenatal testing for fetal chromosomal abnormalities by low coverage whole genome sequencing of maternal DNA plasma DNA</td>
<td><strong>T.K. Lau</strong>&lt;sup&gt;1&lt;/sup&gt;; M. Chari&lt;sup&gt;1&lt;/sup&gt;; P. Lo&lt;sup&gt;1&lt;/sup&gt;; F. Jiang&lt;sup&gt;1&lt;/sup&gt;; H. Zhang&lt;sup&gt;1&lt;/sup&gt;; W. Wang&lt;sup&gt;2&lt;/sup&gt;; 1(Hong Kong); 2(China)</td>
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<tr>
<td>11:20</td>
<td>Discussion</td>
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<tr>
<td>11:23</td>
<td>Diagnostic consequences of substituting non-invasive (NIPT) for diagnostic prenatal testing following combined first trimester screening</td>
<td><strong>O. Petersen</strong>&lt;sup&gt;1&lt;/sup&gt;; L. Vogel&lt;sup&gt;1&lt;/sup&gt;; J. Hyett&lt;sup&gt;1&lt;/sup&gt;; C. Ekelund&lt;sup&gt;1&lt;/sup&gt;; A. Tabor&lt;sup&gt;1&lt;/sup&gt;; 1(Denmark); 2(Australia)</td>
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<tr>
<td>11:28</td>
<td>Discussion</td>
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<tr>
<td>11:31</td>
<td>Results from first trimester screening of 15,003 pregnancies during a seven year period: a quality control</td>
<td><strong>T. Larsen; L. Krebs; S. Sina</strong> (Denmark)</td>
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<tr>
<td>11:36</td>
<td>Discussion</td>
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<tr>
<td>11:39</td>
<td>First trimester serum biochemistry and screen positive rates in 3 consecutive pregnancies</td>
<td><strong>P. Conner; A. Marsk; H. Almström; S. Gustafsson; M. Kublicka</strong> (Sweden)</td>
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<tr>
<td>11:44</td>
<td>Discussion</td>
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</tbody>
</table>

*Scientific content of sessions is defined by the scientific committees; ultrasound systems and technical support are provided by sponsors.

**YI** This presentation is eligible for the Young Investigator award (to be presented at the closing session).
Program - Wednesday 9 October 2013

10:30 - 11:50 Workshop: Urogynecology I  Bayside 204

Chairs: H.P. Dietz (Australia); J. Deprest (Belgium)

10:30 Anterior compartment / urinary incontinence  
V. Eisenberg (Israel)

10:50 Posterior compartment  
C. Shek (Australia)

11:10 Anal sphincter imaging  
R. Guzman Rojas (Australia)

11:30 LIVE SCAN  
[Hsupported by: GE Healthcare*]

H.P. Dietz (Australia)

10:30 - 11:50 Multiple pregnancy  Bayside Gallery B

Chairs: B. Thilaganathan (United Kingdom); M. Yamamoto (Chile)

Ultrasound surveillance of twin pregnancy  
B. Thilaganathan (United Kingdom)

Mode of delivery  
A. Gagnon (Canada)

11:00 Embryonic growth discordance and early fetal loss in twins: the STORK multiple pregnancy cohort  
F. D’Antonio; A. Khalil; E. Mantovani; B. Thilaganathan (United Kingdom)

11:05 Discussion

11:08 Crown-rump length discordance in first trimester; a predictor of adverse outcome in dichorionic pregnancies?  
M. Johansen; A. Oldenburg; S. Rosthoej; J. Maxild; L. Rode; A. Tabor (Denmark)

11:13 Discussion

11:16 Clinical features in monochorionic diamniotic twin pregnancies with large intertwin hemoglobin difference at births  
A. Mabuchi; K. Ishii; R. Yamamoto; T. Taguchi; H. Kawaguchi; M. Murata; S. Hayashi; N. Mitsuda (Japan)

11:21 Discussion

11:24 Laser therapy as an exclusive treatment of twin anemia-polycthyemia (TAPS) sequence  
F. De Musso; G. Chalouhi; A. Al-Ibrahim; M. Essaoui; J. Stirmemann; L. Salomon; Y. Ville (France)

11:29 Discussion

11:32 Pulmonary stenosis in monochorionic diamniotic twin pregnancies: prevalence, management and outcome  
V. Stagnati; G. Chalouhi; J. Stirmemann; M. Essaoui; L. Salomon; Y. Ville (France)

11:37 Discussion

11:40 Third trimester weight discordance cut-offs and perinatal mortality in twins: the STORK multiple pregnancy cohort  
F. D’Antonio; A. Khalil; T. Dias; A. Bhide; B. Thilaganathan (United Kingdom)

11:45 Discussion

12:30 - 14:00 Lunch and e-poster viewing  Bayside Grand Hall

12:45 - 13:45 Samsung Medison satellite symposium**  Bayside Auditorium A

14:00 - 14:30 Workshop: Routine ultrasound: how many, when and for what  Bayside Auditorium A

Chairs: K. Maršál (Sweden); R. McEwing (New Zealand)

14:00 Pregnancy dating and fetal anatomy in the first trimester  
C. Bilardo (Netherlands)

14:20 What to integrate in the second trimester: just anatomy? Uterine arteries, cervix?  
C. Lees (United Kingdom)

14:40 Is a third trimester ultrasound required, and for what?  
K. Maršál (Sweden)

15:00 Discussion

14:00 - 14:30 Workshop: Urogynecology II  Bayside 204

Chairs: V. Eisenberg (Israel); H.P. Dietz (Australia)

14:00 Slings and meshes  
C. Shek (Australia)

14:25 Levator assessment  
H.P. Dietz (Australia)

14:50 LIVE SCAN  
[Hsupported by: GE Healthcare*]

H.P. Dietz (Australia)

14:00 - 14:30 Workshop: Pre-term labour  Bayside Gallery B

Chairs: Z. Alfirevic (United Kingdom); R. Palma Dias (Australia)

14:00 How should we measure cervical length  
I. Soloman (France)

14:20 Pros and cons of universal cervical length screening  
J. Hyett (Australia)

14:40 How best to treat short cervix  
Z. Alfirevic (United Kingdom)

15:00 Discussion

Program - Wednesday 9 October 2013

11:55 - 12:35 Short oral presentation (OP) sessions  

OP17: Aneuploidy: first trimester  
Chairs: T.K. Lau (Hong Kong); D. Nisbet (Australia)  Bayside Auditorium A

OP18: Urogynecology  
Chairs: J. Deprest (Belgium); A. Korda (Australia)  Bayside 204

OP19: First trimester assessment of growth and Doppler  
Chairs: L. Salomon (France); K. Salvesen (Norway)  Bayside Gallery B

OP20: Technology to improve training and safety  
Chairs: C. Brezinka (Austria); A. Ngu (Australia)  Bayside 102

OP21: Multiple pregnancy  
Chairs: A. Papageorghiou (United Kingdom); K. Hecher (Germany)  Bayside 103

*Scientific content of sessions is defined by the scientific committees; 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 CPD program.

ISUOG takes no responsibility for scientific or clinical content.
WEDNESDAY SHORT ORAL PRESENTATIONS

OP17: Aneuploidy: first trimester

Chairs: T.K. Lau (Hong Kong); D. Nisbet (Australia)

Nuchal translucency measurements in fetuses according to karyotype in a low risk population
C. Ekelund (Denmark)

Are ART women at increased risk of miscarriage and stillbirth following first trimester risk assessment compared to spontaneously pregnant women?
C. Wulff (Denmark)

Teleconference tutorials to improve individual operator distributions for nuchal translucency measurement
A. Robertson (Australia)

Unintended consequences of UK guidance for anomaly screening and invasive testing
M. Alberry (United Kingdom)

Outcomes in case of low PAPP-A and free β-HCG in maternal serum at first trimester screening compared to spontaneously pregnant women?
L. Salomon (France)

First trimester biochemical markers in oocyte donated women
C. Ekelund (Denmark)

Development of auditable standards in the first trimester ultrasound assessment of fetal blood flow through the ductus venosus and the tricuspid valve
A. Robertson (Australia)

Prenatal diagnosis using combined qf-PCR and array CGH analysis as a first line test: results from over 1000 consecutive cases
S. Yagel (Israel)

Pregnant women’s attitude and knowledge of non-invasive prenatal testing (NIPT) in Down syndrome screening in Hong Kong
L. Chan (Hong Kong)

Azurocidin in maternal serum in the first trimester and pre-term delivery
S. Yagel (Israel)

OP18: Urogynecology

Chairs: J. Deprest (Belgium); A. Korda (Australia)

3D and 4D transperineal ultrasound for imaging of mesh implants following sacrocolpopexy
V. Eisenberg (Israel)

Post-processing of pelvic floor ultrasound data: how repeatable is it?
R. Guzman Rojas (Australia)

Pelvic organ support in nulliparous Africans and Caucasians: a comparative study using 4D pelvic floor ultrasound
C. Shek (Australia)

A new simple technique for 3D ultrasound visualization of the pelvic floor muscles
T. Youssef (Italy)

Hiatal area and pelvic floor distress inventory scoring in Chinese pelvic organ prolapse women
S. Chan (Hong Kong)

Study of correlation between anterior compartment prolapse quantification through transperineal ultrasonography and POP-Q examination
H. Wang (China)

Clinical effects and risk factors for levator ani muscle damage in primiparas
S. Yagel (Israel)

Three-dimensional (3D) ultrasound (US) imaging of the levator hiatus in singleton and twin pregnancies: a comparative study
F. Barros (Brazil)

Delivery-related pelvic floor trauma: does birth position matter?
H. J. Dietz (Australia)

*Supported by an unrestricted educational grant from Natera
### WEDNESDAY SHORT ORAL PRESENTATIONS

**OP - Wednesday 9 October 2013**

#### OP19: First trimester assessment of growth and Doppler Bayside Gallery B

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systematic review of the methodology used for creating dating charts based on fetal crown–rump length</td>
<td>OP19.01</td>
</tr>
<tr>
<td>Influence of maternal age on first trimester crown–rump length and birth outcomes: a population-based study</td>
<td>OP19.02</td>
</tr>
<tr>
<td>Assessment of crown–rump length measurement variability</td>
<td>OP19.03</td>
</tr>
<tr>
<td>Reduced fetal movements at term; association to first trimester uterine artery Doppler assessment</td>
<td>OP19.04</td>
</tr>
<tr>
<td>Use of placental volume by three-dimensional ultrasound for the prediction of homoygous α0-thalassemia in the first trimester</td>
<td>OP19.05</td>
</tr>
<tr>
<td>Assessment of the first trimester uterine artery pulsatility index in Hong Kong Chinese pregnant women</td>
<td>OP19.06</td>
</tr>
<tr>
<td>Maternal renal interlobar vein Doppler is not a first trimester predictor of pre-eclampsia: preliminary data</td>
<td>OP19.07</td>
</tr>
<tr>
<td>Clinical evaluation of a first trimester algorithm predicting the risk of hypertensive disease of pregnancy</td>
<td>OP19.08</td>
</tr>
<tr>
<td>Do first trimester βHCG levels have a predictive role in pregnancy outcome for singleton pregnancies?</td>
<td>OP19.09</td>
</tr>
<tr>
<td>Pulsatility index of the uterine arteries between 11 and 13.6 weeks: comparison of measurements by transvaginal and transabdominal Doppler ultrasound</td>
<td>OP19.10</td>
</tr>
</tbody>
</table>

#### OP20: Technology to improve training and safety Bayside 102

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary results from the ISUOG Safety Phantom: presets, probes and flow</td>
<td>OP20.01, OP20.02, OP20.03 &amp; OP20.04</td>
</tr>
<tr>
<td>Challenges to ultrasound training in obstetrics and gynecology: a survey across three Scandinavian countries</td>
<td>OP20.05</td>
</tr>
<tr>
<td>Abstract withdrawn</td>
<td></td>
</tr>
<tr>
<td>Potential applications of obstetrical ultrasound simulators: teaching and auditing</td>
<td>OP20.07 &amp; OP20.08</td>
</tr>
</tbody>
</table>

#### OP21: Multiple pregnancy Bayside 103

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twin anemia-polycythemia sequence: prevalence, management and outcome</td>
<td>OP21.01</td>
</tr>
<tr>
<td>Dichorionic diamniotic twin pregnancy after single blastocyst embryo transfer may not be a rare finding: a single center experience</td>
<td>OP21.02</td>
</tr>
<tr>
<td>The role of CRL discrepancy in prediction of outcome in dichorionic twin pregnancy after IVF conception</td>
<td>OP21.03</td>
</tr>
<tr>
<td>Perinatal outcomes of complicated monochorionic twin pregnancies managed in a specialized twin clinic</td>
<td>OP21.04</td>
</tr>
<tr>
<td>Twin-to-twin transfusion syndrome and prenatal attachment</td>
<td>OP21.05</td>
</tr>
<tr>
<td>Venous flow studies in TTTS: the use of normal charts to classify fetuses</td>
<td>OP21.06</td>
</tr>
<tr>
<td>Monochorionic twins with selective growth restriction: is the “Gratacós classification” justified?</td>
<td>OP21.07</td>
</tr>
<tr>
<td>Is ultrasound-indicated cerclage justified in multiple gestations with short cervix?</td>
<td>OP21.11</td>
</tr>
</tbody>
</table>
Electronic posters at a glance

Electronic posters (P) are available for viewing throughout the Congress on the ISUOG OnDemand viewing terminals located in the ISUOG lounge in the Bayside Grand Hall. You can also send questions or comments to authors using our integrated e-mail facility. Electronic posters are subject categorised in the following pages.

<table>
<thead>
<tr>
<th>Poster session</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01</td>
<td>Abnormal uterine bleeding, fibroids and adenomyosis</td>
</tr>
<tr>
<td>P02</td>
<td>Assessment in late pregnancy</td>
</tr>
<tr>
<td>P03</td>
<td>Cardiac anomalies and heart function</td>
</tr>
<tr>
<td>P04</td>
<td>Fetal echocardiography</td>
</tr>
<tr>
<td>P05</td>
<td>First trimester: aneuploidy and anomalies</td>
</tr>
<tr>
<td>P06</td>
<td>Second trimester anomalies and aneuploidies</td>
</tr>
<tr>
<td>P07</td>
<td>Second trimester anomalies and aneuploidies: just images</td>
</tr>
<tr>
<td>P08 (08.01-08.03)</td>
<td>Fetal growth and Doppler</td>
</tr>
<tr>
<td>P08 (08.04-08.18)</td>
<td>Fetal growth restriction</td>
</tr>
<tr>
<td>P09</td>
<td>Fetal interventions</td>
</tr>
<tr>
<td>P10</td>
<td>Fetal neurosonography</td>
</tr>
<tr>
<td>P11</td>
<td>Imaging technologies</td>
</tr>
<tr>
<td>P12</td>
<td>Keeping ultrasound safe - keeping patients safe</td>
</tr>
<tr>
<td>P13</td>
<td>Multiple pregnancy</td>
</tr>
<tr>
<td>P14</td>
<td>Ultrasound assessment of pre-term and term labour</td>
</tr>
<tr>
<td>P15</td>
<td>Characterising and managing ovarian masses</td>
</tr>
<tr>
<td>P16</td>
<td>Early pregnancy</td>
</tr>
<tr>
<td>P17</td>
<td>Pelvic pain</td>
</tr>
<tr>
<td>P18</td>
<td>Reproductive medicine</td>
</tr>
<tr>
<td>P19</td>
<td>Urogynecology</td>
</tr>
<tr>
<td>P20</td>
<td>Ultrasound in gynecological oncology</td>
</tr>
<tr>
<td>9A</td>
<td>Vascular III</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>P03: Cardiac anomalies and heart function</th>
<th>P04: Fetal echocardiography</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarctato aortae (CoA) diagnosed with B-flow and STIC</td>
<td>The changing face of fetal echocardiography</td>
</tr>
<tr>
<td>P. von Brands (Norway)</td>
<td>J. Copel (United States)</td>
</tr>
<tr>
<td>Antenatal diagnosis of aortopulmonary window: a case report</td>
<td>Abnormal 4 chamber still remains the mainstay for suspecting congenital cardiac anomalies: single center experience</td>
</tr>
<tr>
<td>S. Kabra (India)</td>
<td>B. Chauhan (India)</td>
</tr>
<tr>
<td>Prenatal diagnosis of aortopulmonary window associated with tetralogy of Fallot and persistent left superior vena cava</td>
<td>Reevaluation of the fetal cardiac axis in screening of Tetralogy of Fallot</td>
</tr>
<tr>
<td>A. Cortesiculou Esmer (Turkey)</td>
<td>N. Kanagawa (Japan)</td>
</tr>
<tr>
<td>Isolated premature restriction of the foramen ovale presenting as non-immune hydrops</td>
<td>The postural changes of cardiac function in fetus</td>
</tr>
<tr>
<td>J. Ochoa (Argentina)</td>
<td>H. Jung (Republic of Korea)</td>
</tr>
<tr>
<td>Case report: a rare case of HOLT-ORAM syndrome in a twin pregnancy</td>
<td>A case of fetal ductus arteriosus aneurysm</td>
</tr>
<tr>
<td>A. Kondylas (Greece)</td>
<td>H. Jung (Republic of Korea)</td>
</tr>
<tr>
<td>Fetal supraventricular tachycardia: a new approach to surveillance and treatment</td>
<td>Isolated aberrant right subclavian artery in third trimester: a case report</td>
</tr>
<tr>
<td>L. Edwards (Australia)</td>
<td>E. Pavlova (Bulgaria)</td>
</tr>
<tr>
<td>Mitral valve dysplasia syndrome: a case report</td>
<td>Temporary spontaneous remission of fetal complete heart block in SS-A antibody negative pregnant woman: a rare case report</td>
</tr>
<tr>
<td>Y. He (China)</td>
<td>M. Shino (Japan)</td>
</tr>
<tr>
<td>Critical aortic stenosis: a case report of fetal critical aortic stenosis</td>
<td>The postural changes of cardiac function in fetus</td>
</tr>
<tr>
<td>A. Carms (Brazil)</td>
<td>H. Hong (Republic of Korea)</td>
</tr>
<tr>
<td>A case of fetal ductus arteriosus aneurysm</td>
<td>The difference of NT-proBNP levels according to the type of congenital heart disease (CHD) in umbilical cord blood of newborns with prenatally diagnosed CHD</td>
</tr>
<tr>
<td>H. Jung (Republic of Korea)</td>
<td>Y. Choo (Republic of Korea)</td>
</tr>
<tr>
<td>Echocardiographic observation and clinical significance of echogenic intracardiac foci in 310 fetuses</td>
<td>Echocardiographic observation and clinical significance of echogenic intracardiac foci in 310 fetuses</td>
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<tr>
<td>Y. He (China)</td>
<td>Y. He (China)</td>
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<tr>
<td>Abstract withdrawn</td>
<td>The analysis of fetal echocardiographic reference value in normal fetus and study on relationship of these measurement with gestational age (II)</td>
</tr>
<tr>
<td>P03.01</td>
<td>Y. He (China)</td>
</tr>
<tr>
<td>P03.02</td>
<td>The feasibility of four-dimensional ultrasound imaging using spatiotemporal image correlation in the routine fetal cardiac screening</td>
</tr>
<tr>
<td>P03.03</td>
<td>G. Lv (China)</td>
</tr>
<tr>
<td>P03.04</td>
<td>Prevalence of 3D/4D articles published in Ultrasound in Obstetrics &amp; Gynecology and preference for 3D/4D terms used</td>
</tr>
<tr>
<td>P03.05</td>
<td>J. Deng (United Kingdom)</td>
</tr>
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<td>P03.06</td>
<td>P04.01</td>
</tr>
<tr>
<td>P03.07</td>
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<td>P04.04</td>
<td>P04.05</td>
</tr>
</tbody>
</table>
Factors affecting women’s knowledge about non-invasive prenatal testing for Down syndrome
K. Leung (Hong Kong)

The effect of smoking on crown–rump length at nuchal translucency ultrasound
N. Stamatopoulou (Australia)

The impact of uterine anatomical abnormalities in first-trimester pregnancy-associated plasma protein: is there any correlation of this levels with adverse pregnancy outcome?
S. Soletriou (Greece)

Introduction of combined screening for Down’s syndrome: our experience in Walsall Manor Hospital, West Midlands, UK
J. Padavala (United Kingdom)

Compare the fetal posterior fossa in normal and chromosomal abnormalities at 11-13+6 weeks’ gestation in Chinese population
C. Hsiao (Taiwan)

Routine screening for fetal anomalies in the 12th week of pregnancy (1996-2012): advantages and limitations
L. Hemadi (Hungary)

False positive MaterniT21 PLUS with vanishing twin
N. Davies (United States)

A case of Pierre-Robin syndrome: first-trimester diagnosis of micrognathia
H. Jung (Republic of Korea)

First trimester sonographic finding in fetus having tetratogy of Fallot with absent pulmonary valve syndrome: case report
J. Lee (Republic of Korea)

P06: Second trimester anomalies and aneuploidies

Noto gram of nuchal fold thickness of Iranian fetuses in second trimester
L. Eslamian (Islamic Republic of Iran)

Perinatal outcomes of fetuses with gastrochisis: experience of a single reference service in Brazil
F. Barros (Brazil)

Hyperechogenic bowel as a marker for cystic fibrosis in the fetus
I. Dhailitah (Czech Republic)

Chinese pregnant women’s attitudes towards non-invasive fetal trisomy test
M. Chen (China)

Consideration on the optimal time for effective fetal screening by ultrasound in 2nd and 3rd trimester
R. Qi (Japan)

The perception of mothers attending second trimester anomaly ultrasound towards current and future pregnancy
S. Abdullah (Malaysia)

Prenatal diagnosis and outcome of congenital cystic adenomatoid malformation of the lung: a report of 9 cases
G. Iliev (Romania)

Prenatal diagnosis of radial ray defects: a report of 5 cases
C. Hsieh (Taiwan)

Prenatal ultrasound and genetic diagnosis of an autosomal recessive polycystic kidney disease associated with Klinfeltefiter syndrome: rare case report
D. Abu (Romania)

A novel frameshift mutation of the STRA6 gene in a Polish boy presenting with Matthew-Wood syndrome
D. Nowakowska (Poland)

Full term hydrops fetalis caused by congenital pulmonary lymphangiectasia: a case report
Y. Lee (Republic of Korea)

A successful management of spontaneous complete chorioamniotic membrane separation
N. Wada (Japan)

Cervical injection of vasopressin to treat post partum haemorrhage in case of medical abortion with placenta praevia
S. Wavrant (Canada)

Dichorionic diamniotic twin gestation affected with paternal disomy 14 (patUPD14)
S. Brennan (Australia)

Perinatal outcome in cases with congenital diaphragmatic hernia between 1996-2013 in perinatal center in Lodz
D. Nowakowska (Poland)

The diagnostic and prognostic role of prenatal imaging in congenital diaphragmatic hernia: a review of the current literature
S. Wavrant (Canada)

P07: Second trimester anomalies and aneuploidies: just images

Antenatal 3D ultrasound findings of tracheal pouch of esophageal atresia
J. Shin (Republic of Korea)

Prenatal ultrasound features of cardiofaciocutaneous syndrome
K. Law (Hong Kong)

Prenatally diagnosed tracheal atresia in twin pregnancy
O. Simetka (Czech Republic)

A rare case of facial teratoma appearing in the 26th week of pregnancy
A. Kondylios (Greece)

Prenatal diagnosis of trisomy 18 fetus with diastematomyelia
E. Nekrasova (Russian Federation)

The use of 3D and 4D ultrasound in a case of distal arthrogryposis
H. Wang (Australia)

Prenatal diagnosis of choledochal cyst: two case reports
S. Choi (Republic of Korea)

The ‘equals sign’: the ideal method to diagnose cleft palate. A case report
J. Duyos (Spain)

Prenatal ultrasound diagnosis and follow up treatment of a giant lateral abdominal wall hemangioma
D. Abu (Romania)

Prenatal diagnosis of a large axillo-thoraco-abdominal cystic lymphangioma by 3D trasonography
J. Cheon (Republic of Korea)

Diagnostic and perinatal management of fetal cervical teratoma: two cases report of ex utero intrapartum treatment (EXIT)
D. Nowakowska (Poland)

Gollop-Wolfgang syndrome: an atypic case report
D. Abu (Romania)

P08 (08.01-08.03): Fetal growth and Doppler

Comparison of 3D fetal thymus volumes in pre-eclampsia and healthy pregnancies
S. Young (Australia)

Novel STIC-derived indices of tissue impedance within the placenta: influence of regional variability and maternal pulsatility
L. Wu (Australia)

Maternal-fetal endothelial and renal evaluation in gestational diabetes
E. Cosmi (Italy)
ELECTRONIC POSTERS

Electronic poster stations

P08 (08.04-08.18): Fetal growth restriction
Fetal umbilical artery Doppler velocimetry studies versus CTG monitoring as predictors of adverse perinatal outcome in IUGR fetuses: a retrospective study P08.04
S. Supiets (Philippines)
The Polyneurmic perinatal paradox P08.05
M. Mongelli (Australia)
Prediction of macrosomia with conventional third trimester fetal growth assessment in patient with diabetes mellitus P08.06
G. Pagani (United Kingdom)
Is a severe birth weight predictive for a worse follow-up? P08.17
E. Cosmi (Italy)
Systematic thickness analysis of the adipose tissue around the fetal arm across gestation using 2D ultrasound images P08.16
C. Knight (United Kingdom)
Correlation between left modified myocardial performance index and fetal Doppler parameters in pregnancies with placental insufficiency P08.13
R. Nomura (Brazil)
Myometrial blood flow analysis in pregnant women with FGR P08.10
T. Waseda (Japan)
Predictive value of placental volume and related artery parameter forecasting fetal growth restriction from 11 to 28 gestational weeks P08.11
Z. Han (China)
Fetal middle cerebral artery peak systolic velocity and acidaemia at birth in pregnancies complicated by placental dysfunction P08.12
R. Nomura (Brazil)
Correlation between left modified myocardial performance index and fetal Doppler parameters in pregnancies with placental insufficiency P08.13
R. Nomura (Brazil)
Stickler Syndrome with early onset intrauterine growth retardation and hypertension P08.14
N. Sathasivam (Australia)
Are prenatal abdominal aorta wall alterations predictive of cardiovascular disease? A histological study P08.15
E. Cosmi (Italy)
Systematic thickness analysis of the adipose tissue around the fetal arm across gestation using 2D ultrasound images P08.16
C. Knight (United Kingdom)
Is a severe birth weight predictive for a worse follow-up? P08.17
E. Cosmi (Italy)
The volume of the chorion villosum is associated with the location of the umbilical cord in the first trimester P08.18
M. Nakamura (Japan)
P09: Fetal interventions
Clinical features of fetal congenital cystic adenomatoid malformation managed expectantly and with antenatal therapy at a Japanese single center P09.01
A. Yamashita (Japan)
Intra-amniotic pentoxifylline to attenuate prenatal inflammation in a caprine model of chorioamnionitis: preliminary results P09.02
M. Sezik (Turkey)
P10: Fetal neurosonography
Abstract withdrawn P10.01
The utility of the echographic exam in detection of chromosomal abnormalities and other plurimarformative syndromes associated with Dandy-Walker syndrome: review of 15 cases in 2012 P10.02
D. Abu (Romania)
Study on ultrasonogram of fetus hemivertebrae deformity P10.03
F. Zhang (China)
A case report of congenital CMV infection mimicking Dandy-Walker syndrome by prenatal ultrasonography P10.04
J. Shin (Republic of Korea)
Prenatal diagnosis of Delelton 18: case report P10.05
M. Petreche (Romania)
The dynamic of the meningomyelocele in early pregnancy P10.06
D. Schwaie (Israel)
A case of schizencephaly diagnosed at 22 weeks P10.07
B. Chauhan (India)
Antenatal findings by ultrasound and magnetic resonance imaging of rhombencephalosynapsis: report of two cases from a reference neuroimaging center of Brazil P10.08
F. Barros (Brazil)
Midtrimester diagnosis of unilateral cerebellar hypoplasia due to antenatal venous sinus thrombosis P10.09
B. Davies (Australia)
Isolated fetal cerebellar hemorrhage secondary to warfarin therapy P10.10
A. Corbacioglu Esmer (Turkey)
Antenatal diagnosis of a fetal dural venous thrombosis P10.11
W. Carseldine (Australia)
Congenital rubella with agenesis of the inferior cerebellar vermis and total anomalous pulmonary venous drainage: a case report P10.12
C. Olaver (South Africa)
P11: Imaging technologies
Assessing fetal fractional arm volume using varying numbers of cross-sectional slices P11.01
C. Knight (United Kingdom)
Feasibility of automated transcerebellar axial plane finder using 3-dimensional volume of the fetal posterior fossa
J. Kwon (Republic of Korea)

Low-level 45,X/46,XX mosaicism up to 10% of aneuploidy seems not to be associated with higher prevalence of congenital cardiovascular disease and thoracic aorta dilatation: a prospective study
M. Procházka (Czech Republic)

Novel automatic coupled ellipse fitting tool for fetal arm adipose tissue quantification in 2D ultrasound images across gestation
C. Knight (United Kingdom)

Quantitative ultrasound tissue characteristics of the cervix in pregnancy
P. Stone (New Zealand)

Ultrasonographic measurement of central subcutaneous adiposity to assess risk of adverse outcome in pregnancy
N. Kennedy (Australia)

Longitudinal assessment of lung-to-head ratio in healthy fetuses
R. Huang (United States)

Comparison of transcerebellar diameter and cisterna magna depth measurements by manual 2D versus 3D automated TCD program
J. Kwon (Republic of Korea)

Prenatal diagnosis of fetus in fetus (FIF) with MRI and biopsy confirmation
P. Desai (India)

A control study of the fetal facial skeletons by skeletal rendering mode of 3D ultrasound
H. Chang (China)

An automatic algorithm to extract first trimester fetal head and trunk structures from 3D volumes
P. Tai (Taiwan)

Radiologic and gross finding in uterine inversion
S. Kim (Republic of Korea)

Value of contrast-enhanced ultrasound (CEUS) technology in the diagnosis of placental accrete
X. Chen (China)

Prenatal diagnosis of sirenomelia by combining two-dimensional ultrasound, new fetal skeletal rendering, three-dimensional helical computer tomography and magnetic resonance imaging
X. Chen (China)

The impact of video compression on the quality and interpretation of ultrasound video clips of fetal anomalies
D. Watson (Australia)

Role of MRI in aid in patient’s counselling and decision-making in cases of cervical teratomas
S. Wavrant (Canada)

Role of 2D and 3D/4D ultrasound on maternal-fetal bonding
E. Pavlova (Bulgaria)

Gray scale transvaginal ultrasound features and evaluation of a low segment transverse Caesarean section scar in non-pregnant women in the Philippines: a cross-sectional study
E. James-Clark (Philippines)

Intraprofetal prolapse of the amniocele through a myometrial defect at 32 weeks’ gestation in a primigravida female without previous uterine scar
M. Mishina (Japan)

The effect of adding sufentanil to bupivacaine in TAPS block under ultrasound guide after Caesarean to reduce postoperative analgesic consumption
L. Estemani (Islamic Republic of Iran)

P13: Multiple pregnancy

Maternal and perinatal outcome of twin pregnancy based on chorionicity: a Malaysian experience
K. Kuppannan (Malaysia)

Our experience with 38 monochorionic twin pregnancies with a suspicion of 2 TAPS cases
O. Simeta (Czech Republic)

3D ultrasonography to evaluate fetal urinary production rates in twin gestation
R. Sa (Brazil)

Measurement variation of amniotic fluid pocket in monochorionic diamniotic twin gestations suspected of twin-twin transfusion syndrome
A. Mabuchi (Japan)

Concordance between the referral ultrasound (US) for twin-to-twin transfusion syndrome and US findings on arrival to a tertiary center
G. Chatout (France)

Ultrasound and histological measurements of dividing membrane thickness in twin pregnancies
L. Bracero (United States)

Results of laser therapy of twin-to-twin transfusion syndrome in correlation to the place of coagulation of communicating vessels
M. Siawatkowska-Freund (Poland)

Interpreting elevated middle cerebral artery-peak systolic velocity of monochorionic twins in the third trimester: association with fetal hemoglobin level
S. Kim (Republic of Korea)

Laser therapy by the ‘Solomon technique’ for early-onset spontaneous twin anemia-polycthemia sequence
K. Ishii (Japan)

Perinatal outcome of triplets with feto-fetal transfusion syndrome following fetoscopy laser photocoagulation: experience at Japanese centers
K. Ishii (Japan)

Outcomes of triplet pregnancies complicated by twin-to-twin transfusion syndrome
A. Khalil (United Kingdom)

Sonographic cervical length and systemic inflammation in the third trimester and the risk of pre-term delivery in asymptomatic women with twin pregnancies: a retrospective case-control study
S. Lee (Republic of Korea)

The outcome of DD and MD twin at a single center after the introduction of fetoscopic laser photocoagulation for TTS
M. Ohashi (Japan)

Accuracy of estimation of birthweight in twin compared to singleton pregnancies: the STORK multiple pregnancy cohort
A. Khalil (United Kingdom)

Maternal diastolic function during twin pregnancies
A. Vouasse (Italy)
### Electronic poster stations

**P14: Ultrasound assessment of pre-term and term labour**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
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<tr>
<td>Cervical morphology in prediction of pre-term birth</td>
<td>D. Tan (Singapore)</td>
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<tr>
<td>Objective quantification of elastographic colours of the cervix and reliability of measurements</td>
<td>F. Dorney (Australia)</td>
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<td>Efficacy of progesterone in women with a short cervix; can elastography provide an objective</td>
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<td>Fetal adrenal gland volume and prediction of pre-term birth</td>
<td>M. Burke (Australia)</td>
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<td>Preliminary report of 48-hours Atosiban administration in spontaneous pre-term labour; Doppler</td>
<td>T. Shipp (United States)</td>
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<td>blood flow assessment of placental and fetal circulation</td>
<td>M. Grzesiak (Poland)</td>
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<td>Clinical efficacy of cervical volume for prediction of pre-term delivery in symptomatic pre-term</td>
<td>L. Young (Republic of Korea)</td>
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<td>Stiffness of cervix as a predictor of labour onset using transvaginal elastography</td>
<td>H. Miura (Japan)</td>
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<td>A new method of monitoring the progress of labour: the Sonopartogram</td>
<td>T. Eggebø (Norway)</td>
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<td>The clinical usefulness of Doppler ultrasound examination in intrapartum assessment of fetal</td>
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<td>Sonographic assessment of fetal occiput position during the second stage of labour: how</td>
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<tr>
<td>Sonographic assessment of fetal head position during the first and second stage of labour for</td>
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<td>the prediction of persistent occiput posterior position and labour dystocia</td>
<td>S. Choi (Republic of Korea)</td>
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<td>symposs- distance in active labour</td>
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<td>Prediction of delivery mode using ultrasound measurements and digital examinations</td>
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<td>Cesarean delivery rate when the fetal head station is engaged, assessed clinically and</td>
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<tr>
<td>non-invasively</td>
<td>J. Nizard (France)</td>
</tr>
<tr>
<td>Prolonged second stage of labour and levator ani muscle injuries</td>
<td>V. Marasci (Islamic Republic of</td>
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<td>Relationship between intrapartum ultrasound measurements in the first stage of labour</td>
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<td>The frequency and clinical significance of intrauterine hematoma in immediate postpartum period</td>
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**P15: Characterising and managing ovarian masses**

<table>
<thead>
<tr>
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<tr>
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**P16: Early pregnancy**

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**P17: Pelvic pain**

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**Electronic poster stations**

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<td>Technology making ectopic pregnancy more of histological diagnosis</td>
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<tr>
<td>Two cases of spontaneous rupture of endometrial cyst in non-pregnant state</td>
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**P18: Reproductive medicine**

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<td>Transvaginal, transrectal and transabdominal ultrasound assessment of the polycystic ovary syndrome</td>
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<td>Spectrum of imaging findings in female infertility</td>
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<td>Life threatening Group A sepsis secondary to HyCoSy</td>
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<td>Migration of initially properly placed Mirena levonorgestrel-releasing intrauterine device (IUD) in two patients: case report</td>
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<td>M. Kudla (Poland)</td>
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**P19: Urogynecology**

<table>
<thead>
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<tr>
<td>Reliability and validation of 3D electromagnetic tracking during voluntary and reflex pelvic floor muscle activity during dynamic whole body movements</td>
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<td>H. Moser (Switzerland)</td>
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<td>Ultrasonographic imaging of vulvar structures in adult and perimenopausal women using high frequency ultrasound (HFU): preliminary report</td>
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<td>M. Minka (Poland)</td>
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<td>The prevalence of anal sphincter injury following childbirth using endoanal ultrasound in Chinese primiparous women</td>
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<td>Utility of high frequency ultrasound (HFU) in vulvar skin structures imaging in adult and perimenopausal women</td>
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<td>Assessment of bladder neck compliance by using transvaginal real-time elastography of women</td>
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**P20: Ultrasound in gynecological oncology**

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<tbody>
<tr>
<td>Peritoneal tuberculosis mimicking ovarian cancer</td>
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<td>M. Erman Akar (Turkey)</td>
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<tr>
<td>The characteristic of three dimension power Doppler in gestational trophoblastic disease</td>
<td>P20.02</td>
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<tr>
<td>The value of puncture biopsy guided by transvaginal ultrasound in the diagnosis of cervical diseases</td>
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<td>L. Wang (China)</td>
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<tr>
<td>Endometrial assessment in postmenopausal women: can we decrease the number of invasive procedures?</td>
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<td>M. Santos Bernardo (Portugal)</td>
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**P9A: Vascular VIII (ASUM)**

<table>
<thead>
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<tr>
<td>Pilot study: predictive value of renal vein velocity in the assessment of renal allograft dysfunction at day 1</td>
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</table>

**Exhibition & sponsorship**

### Satellite symposia

<table>
<thead>
<tr>
<th>Room</th>
<th>Sunday 6 October</th>
<th>Monday 7 October</th>
<th>Tuesday 8 October</th>
<th>Wednesday 9 October</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>GE Healthcare</td>
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### Hospitality suites

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<th>Tuesday 8 October</th>
<th>Wednesday 9 October</th>
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<tbody>
<tr>
<td>Bayside Gallery A</td>
<td>GE Healthcare</td>
<td>VolusonClub lounge &amp; hospitality suite</td>
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<td>Bayside 104</td>
<td>GE Healthcare</td>
<td>Meet the Experts hospitality suite</td>
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### Exhibition opening times

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<thead>
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<th>Tuesday 8 October</th>
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<td>10:00 - 20:30</td>
<td>10:00 - 16:30</td>
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**Exhibit floor plans**

**Exhibitor listing**

<table>
<thead>
<tr>
<th>Company</th>
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<tbody>
<tr>
<td>Ariosa Diagnostics</td>
<td>7</td>
<td>ISUOG</td>
<td>ISUOG lounge</td>
</tr>
<tr>
<td>astra</td>
<td>9</td>
<td>Karl Storz</td>
<td>29</td>
</tr>
<tr>
<td>ASUM</td>
<td></td>
<td>Medaphor</td>
<td>17</td>
</tr>
<tr>
<td>Australian Medical Couches</td>
<td>16</td>
<td>Medibron</td>
<td>23</td>
</tr>
<tr>
<td>Australian School of Medical Imaging</td>
<td>2</td>
<td>Mindray</td>
<td>12</td>
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<tr>
<td>CAE Healthcare</td>
<td>3</td>
<td>Nanosonic Limited</td>
<td>14</td>
</tr>
<tr>
<td>Cook Medical</td>
<td>5</td>
<td>Natera</td>
<td>8</td>
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<tr>
<td>Cynetics IT</td>
<td>28</td>
<td>PerkinElmer</td>
<td>13</td>
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<tr>
<td>GE</td>
<td>20</td>
<td>Philips</td>
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<td>25</td>
<td>Siemens</td>
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<td>Sonosite FUJIFILM</td>
<td>11</td>
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<td>Hitachi Aloka Medical Ltd</td>
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<td>Toshiba</td>
<td>22</td>
</tr>
<tr>
<td>I-Med</td>
<td>10</td>
<td>Tristel</td>
<td>6</td>
</tr>
<tr>
<td>Verinata</td>
<td>26</td>
<td>Ultrasound Training Solutions</td>
<td>4</td>
</tr>
</tbody>
</table>
**Exhibitor profiles**

**Ariosa Diagnostics**
Booth no: 7
5945 Optical Ct, San Jose, CA 95138, USA
T: +1 855 927 4672
F: +1 877 927 6151
E: ClientServices@ariosadx.com
W: www.ariosadx.com

Ariosa Diagnostics, Inc. is a molecular diagnostics company committed to innovating together to improve patient care. The flagship product, the Harmony™ Prenatal Test, is a safe, highly accurate and affordable prenatal test for maternal and fetal health. Led by an experienced team, Ariosa is using its proprietary technology to perform a directed analysis of cell-free DNA in blood. The Harmony Prenatal Test equips pregnant women and their healthcare providers with reliable information to make decisions regarding their health, without creating unnecessary stress or anxiety.

**astraia software gmbh**
Booth no: 9
Occamstrasse 20, 80802 Munich, Germany
T: +49 89 127 1147 0
F: +49 89 127 1147 17
C: Roland Denk
E: sales@astraia.com
W: www.astraia.com

astraia is market leader and pioneer in obstetric and gynaecological database applications. Founded in 2000, its headquarters are in Munich, Germany, with a dedicated team of 30 employees as well as local sales partners, supporting more than 1,000 customers worldwide.

astraia offers high-end solutions that are up-to-date with the latest scientific data, a highly optimised work-flow and flexible approach. astraia has been translated into more than 25 languages and is available in several regional configurations.

**Australian Society for Ultrasound in Medicine**
Booth no: 3
Level 2, 511 Pacific Highway Crows Nest, NSW 1585, Australia
T: +61 2 9438 2078
F: +61 2 9438 3686
C: Ms Annie Gibbins
E: asum@asum.com.au
W: www.asum.com.au

The Australian Society for Ultrasound in Medicine is an Australian and New Zealand multidisciplinary society whose mission is to advance the clinical practice of medical ultrasound for the highest standards of patient care.

ASUM is the peak body representing all users of ultrasound and aims to encourage and assist education and research in diagnostic ultrasound; lay down appropriate standards of practice; provide certification indicating proficiency in ultrasound; advise Government and Statutory Authorities on aspects of the practice of diagnostic ultrasound; and provide social intercourse and good fellowship among practitioners.

**Australian Medical Couches**
Booth no: 16
2/2 Network Drive, Carrum Downs, VIC 3201, Australia
T: +61 3 9708 2661
F: +61 3 9708 2617
C: Cameron Reed
E: info@ausmc.com
W: www.ausmc.com

Australian Medical Couches specialise in manufacturing examination couches for specialists and General Practitioners in the medical field. Our couches are designed to meet the individual needs for Doctors, Gynaecologists, Sonographers and Dermatologists amongst others, and meet the standards in ISO-9001. We have a range of 30 colours to meet your practices requirements and all of our fabrics are medical grade, hard wearing and stain resistant. We offer a lifetime warranty on the frame and 5 years on the motors which makes a clear statement about our quality.

**CAE Healthcare**
Booth no: 3
6300 Edgelake Drive, Sarasota, FL 34240, USA
T: +1 941 377 5562
F: +1 941 127 1147 17
C: Kristyn DeGregorio
E: kristyn.degregorio@cae.com
W: www.caehealthcare.com

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

**Cynetics IT**
Booth no: 28
Suite 4, Level 2, 38 President Avenue, Carindale, NSW 2229, Australia
T: +61 7 2952 7924
F: +61 7 2952 7924
C: Mary O’Dwyer
E: info@cynetics.com.au
W: www.cynetics.com.au

Cynetics IT is an Australian software company that specialises in Web based Patient Information Systems and Picture Archive Communication Systems (PACS) for Obstetric and Gynaecology Ultrasound Imaging Clinics.

**Cook Medical Australia Pty Ltd**
Booth no: 5
95 Brandon Street, Brisbane Technology Park, Eight Mile Plains, QLD 4113, Australia
T: +61 7 3434 6000
F: +61 7 3434 6001
C: Sonia O’Brien
E: caucustserv@cookmedical.com
W: www.cookmedical.com/wh

Since its founding, Cook Medical has focused on collaborating with physicians and medical researchers in order to create minimally invasive medical devices that meet patients’ needs. Cook’s Women’s Health clinical division brings that focus and collaboration to the practices of diagnostic imaging, assisted reproductive technology, maternal fetal medicine, obstetrics and gynecology. As a result, we have created procedure-changing devices such as the Bakri Balloon, which effectively manages postpartum hemorrhage, and the Cervical Ripening Balloon, which safely and naturally helps to induce labor.
Exhibitor profiles

GE Healthcare
Booth no: 20

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges.

GE Healthcare helps medical professionals deliver great healthcare to their patients.

Gytech Pty Ltd
Booth no: 24

Gytech is the distributor for ExEm® Foam. ExEm® Foam enables easy recognition of tubal patency. The ExEm® gel has been specifically developed for gynaecological intracavity ultrasound imaging and is TGA approved for this purpose. By mixing ExEm® gel and purified water a gel foam is created. After infusing the foam through the uterine cavity into the fallopian tubes, practical ultrasound images can be obtained to check the patency of the fallopian tubes in infertility patients or to confirm occlusion in Essure patients.

Healthcare Imaging Services Pty Ltd
Booth no: 25

Healthcare Imaging Services (HIS) currently operates in over 160 sites consisting for public and private hospital clinics, comprehensive community sites and large medical centre sites.

HIS has a strong culture of efficiency, quality and accountability. It supports the contribution of staff through an extensive incentive scheme. HIS encourages all delegates to visit our stand and meet our friendly staff to learn more about our attractive Sonographer bonus scheme and working with HIS in the future.

Healthcare Imaging
Booth no: 25

For more than four decades, Voluson® has delivered clinical innovations dedicated to women’s health imaging. Today, the Voluson family of products offers its widest range of solutions tailored to meet your clinical and budgetary needs.

Visit booth #20 to explore how Voluson can help you make confident clinical decisions and help grow your practice.

Visit us at www.voluson.com
Please visit us at our booth #20.
For over 60 years HITACHI ALOKA, the innovator in Ultrasound has been the world’s leading pioneer of ultrasound diagnostic systems for the healthcare industry as the longest dedicating ultrasound company in the world. HITACHI ALOKA provides obstetrics/gynaecology, radiology, cardiology, surgical, urology and other applications with a broad array of innovative ultrasound technologies. As a member of the HITACHI group, HITACHI ALOKA aims to contribute to further healthcare and wellbeing of people and society.

Hologic

6-22-1, Mure, Mitaka-shi, Tokyo, 181-8622, Japan
T: +81 422 45 8049
F: +81 422 45 4058
C: Tsuyoshi Tsuta
E: tsuta1686@hologic-aloka.co.jp
W: www.hologic-aloka.co.jp/english

Hologic, Inc. is a leading developer, manufacturer and supplier of premium diagnostic and medical imaging systems and surgical products dedicated to serving the healthcare needs of women. Hologic’s core business units are focused on imaging systems and surgical products dedicated to serving the healthcare needs of women. Hologic’s core business units are focused on imaging systems and surgical products dedicated to serving the healthcare needs of women.

I-Med Network Radiology

Lvl 24, 201 Kent St, Sydney, NSW 2000, Australia
T: +61 2 8274 1035
F: +61 2 8274 1077
C: Iona Clarkson
E: iona.clarkson@i-med.com.au
W: www.i-med.com.au

I-Med Network Radiology is Australia’s largest private medical imaging network, covering all major metropolitan areas and significant parts of rural and regional Australia. I-Med Operates 200 clinics and performs more than 4 million patient procedures each year making us one of the largest providers of medical imaging in the world.

Verinata

800 Saginaw Drive, Redwood City, CA 94063, USA
T: +101 650 503-5200
F: +101 650 503 5201
C: Client Services
E: jhavlek@verinata.com
W: www.verinata.com

Verinata Health (Verinata), an Illumina company, is driven by a sole and extraordinary purpose — maternal and fetal health. Through our advanced proprietary technologies, Verinata offers non-invasive tests for early identification of fetal chromosomal abnormalities.

Verinata’s verifi® prenatal test is available through licensed healthcare providers. For more information about Verinata, visit the website. For more information on the verifi® test, please contact Verinata Health’s Client Services.

ISUOG

122 Freston Road, W10 6TR, London, 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 7433 members in 124 countries, ISUOG is the leading society in women’s imaging. ISUOG delivers high quality learning through education programs, online resources and the World Congress and disseminates research information and clinical guidance through its journal Ultrasound in Obstetrics and Gynecology (UOG).

Visit the ISUOG lounge to find out more about our membership, events and to collect a sample of our latest journal (while stocks last).

ISUOG lounge

ISUOG lounge

Medaphor Ltd

The Medicentre, Heath, Cardiff, CF14 4JJ, Wales, UK
T: +44 2920 756534
C: Stuart Gail
E: Stuart.gail@medaphor.com
W: www.medaphor.com

Medaphor is a global ultrasound training company, selling a range of virtual reality ultrasound training simulators, which bridge the gap between conventional training and the patient. Their award winning Scantainer is a 24/7 virtual reality ultrasound training simulator, which combines ‘real-feel’ haptic simulation with real patient scans and curriculum-based interactive learning, to provide fast and effective ultrasound training in a non-clinical environment.

Medaphor

Medaphor

Mindray

Mindray Building Keji 12th Road South, High-tech Industrial Park Nanshan, Shenzhen 518057, P.R. China
T: +86 755 8107345
F: +86 755 2652680 87345
C: Nancy Duan
E: nancy.dd.duan@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 around the world. Mindray has three well-established business segments: Patient Monitoring and Life Support Products, In-Vitro Diagnostic Products and Medical Imaging Systems. To date, Mindray’s global sales network has covered more than 190 countries and regions.
Introducing a new era in premium ultrasound.

Philips' new platform gives you more diagnostic detail and certainty than ever before. With EPIQ, you can see a full volume fetus in the third trimester or acquire fetal heart volume in as little as two seconds. This is the ultrasound you’ve wished for, with PureWave solutions for every gestational age and gynecological applications for more definitive diagnosis on your most difficult patients. See for yourself at www.philips.com/EPIQ

Philips EPIQ. Epic in every way.

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Introducing a new era in premium ultrasound. 
Philips' new 
platform gives you more diagnostic detail and  
certainty ... at www.philips.com/EPIQ 
Philips EPIQ. Epic in every way. 
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Nanosonics Limited
Booth no: 14
Unit 24, 566 Gardeners Road, Alexandria, NSW 2015, Australia
T: +61 2 8063 1600
F: +61 2 9317 5010
C: Jonathan Wright
E: info@nanosonics.com.au
W: www.nanosonics.com.au

Nanosonics Ltd is a listed company on the ASX with corporate headquarters in Sydney, Australia and offices in the USA (Nanosonics Inc) and Europe (Nanosonics Europe GmbH).

We are a leader in the development of innovative technology for infection control. Our flagship product, trophon® EPR, is the first automated system for fast, safe and effective ultrasound transducer disinfection. This unique platform technology effectively disinfects the probe including the shaft and handle - in just seven minutes between patients.

Natera
Booth no: 8

Conceive. Deliver.

201 Industrial Drive Suite 410, San Carlos, California, USA
T: +1 650 249 9090
F: +1 650 362 9574
C: Connie Cruz
E: ccruz@natera.com
W: www.panoramatest.com

In late 2012 Natera announced The Panorama™ Test, the most accurate and comprehensive non-invasive prenatal test available. Natera has a history of proven excellence in reproductive genetic testing having previously launched preimplantation genetic diagnosis (PGD) for IVF, carrier screening and the only prenatal non-invasive paternity test.

PerkinElmer
Booth no: 13

Mustionkatu 6, 20750, Turku, Finland
T: +358 2 2678 111
F: +358 2 2678 332
C: Ms. Tytti Massinen
E: tytti.massinen@perkinelmer.com
W: www.perkinelmer.com

PerkinElmer is a global company focused on improving the health and safety of people and their environment. Targeting health right at the start of life, the company supplies a range of instruments and serum-based or dried blood spot-based assays for 1st and 2nd trimester aneuploidy screening. For faster and more comprehensive prenatal diagnosis Prenatal BoBs™ is a bead-based multiplex assay designed to detect aneuploidies of chromosomes 13, 18, 21, X and Y, as well as copy number changes in 9 common microdeletion syndrome regions.

PerkinElmer has also launched the world’s first PI GF assay intended for 1st trimester prediction of pre-eclampsia and a high through-put Fragile X diagnostic assay.

Philips
Booth no: 18

Locked Bag 30, North Ryde, NSW 1670 / 65 Epping Road, North Ryde, NSW 2113, Australia
T: +61 1800 251 400
F: +61 2 9947 0240
C: Mark Rowlinson
E: healthcare.au@philips.com

We’re dedicated to understanding the challenges our customers face – and helping them overcome those challenges. Every day. We strive to improve the quality of people’s lives and to continue raising the bar on clinical excellence at lower overall costs to the system.

This is People focused. Healthcare simplified.
Introducing the ACUSON Freestyle ultrasound system

Designed for interventional radiology and point-of-care applications, the ACUSON Freestyle (“Freestyle”) features wireless transducers with scanning parameters that can be remotely controlled within the sterile field. This reduces contamination and infection risk and facilitates fast and ergonomic examination procedures. The Freestyle also produces excellent clinical images throughout the field of view with its advanced synthetic aperture imaging technology. Its portability also enables it to be easily maneuvered in a tight space or operating room.

Discover the world’s first ultrasound system with wireless transducers

www.siemens.com/ultrasound

SIEMENS

885 Mountain Highway, Bayswater, VIC 3153, Australia
T: +61 3 9721 2000
F: +61 3 0036 0222
C: Siemens Healthcare
E: customercare.au@siemens.com
W: www.siemens.com/au/healthcare

Siemens Healthcare is one of the world’s largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics and medical information technology. Siemens offers its customers innovative solutions for the entire range of patient care. By optimising clinical workflows for the most common diseases, Siemens makes healthcare faster and more cost-effective. Siemens in Australia and New Zealand is committed to research and development to find innovative solutions for healthcare, now and in the future.

ULTRASOUND SYSTEM
UGEØ WS80A

UGEØ WS80A, a new premium ultrasound system for women’s health, offers outstanding image performance with innovative technologies that facilitate various exams during pregnancy and complex gynecological or breast exams. Experience the game changing innovations.

Join Samsung booth #01
at Bayside Grand Hall, Sydney Convention and Exhibition Centre

Samsung Medison Co Ltd. 3366, Hanseo-ro, Nam-Myeon, Hongcheon-gun, Gangwon-do, Korea
T: +82 2 2194 1131
F: +82 2 563 6528
C: Hyemi (Pia) Park
E: hm11.park@samsungmedison.com
W: www.samsung.com/global/business/healthcare

Samsung Medison is an affiliate of the elite global company Samsung Electronics and it has quickly moved forward, making rapid progresses in the diagnostic imaging equipment market. By upholding customer values as its top priority, Samsung Medical Equipment will support fast, easy and accurate diagnoses through its superior technologies and products. Samsung will make continuous efforts to contribute to the growth of the global medical equipment industry and also to improve the quality of people’s lives through its advanced technologies.
Aplio's revolutionary High Density Architecture delivers picture-perfect images of exceptional resolution and detail, so you can always get your diagnostic answer quickly and reliably. A wide range of powerful clinical tools for advanced visualization, quantification and intervention will help you improve diagnostic confidence and throughput everyday and on every patient.

THE NEW GENERATION - A GIANT LEAP FORWARD
VISIT US AT ISUOG 2013 BOOTH #22
Tristel Solutions Limited  
Lynx Business Park, Fordham Road, Snailwell, Cambridge, CB8 7NY, UK  
T: +44 (0)16 3872 1500  
F: +44 (0)16 3872 1911  
C: Julija Shabanova  
E: mail@tristel.com  
W: www.tristel.com  

Tristel pioneered the replacement of glutaraldehyde in the United Kingdom with its proprietary chlorine dioxide chemistry, which is well-documented in various national and international guidelines, publications and case studies. Tristel has been supplying hospitals with high-quality solutions for 20 years. The Tristel for Ultrasound product range consists of easy-to-use, safe and cost effective solutions for the decontamination of medical devices used in gynaecology. Visit Tristel at stand 6 for more information.

Tristel Solutions Limited  Booth no: 6  

Ultrasound Training Solutions  Booth no: 4  
P.O Box 317, Ivanhoe, VIC 3079, Australia  
T: +61 418 506 878  
F: +61 3 9497 4441  
C: Oriana Tolo  
E: oriana@ultrasoundtraining.com.au  
W: www.ultrasoundtraining.com.au  

Using ultrasound but can’t get the ‘the’ view? Want to discover new techniques? Struggling with your machine? We can help. With courses designed and delivered by leading physicians we provide skills that improve point of care outcomes. We offer introductory to advanced level courses, covering obstetrics, emergency medicine, critical care, echo and regional anaesthesia. We can also work with you to develop a program that can be delivered at our place or yours.

Ultrasound Training Solutions  Booth no: 4  

PHILIPS  
Transforming Women’s Healthcare, together  

10:00 - 10:30  
Expanding ultrasound to new users - VISIQ  
S. Suresh  
12:00 - 12:30  
Obstetrical imaging on the new EPIQ system  
K. Kalache (Germany)  
12:30 - 13:00  
GI volume imaging on the new EPIQ system  
S. Ehrler  
13:00 - 13:30  
Expanding ultrasound to new users - VISIQ  
M.S. Ruma  
15:20 - 15:50  
Clinical experiences with the new EPIQ system  
Expert Panel

Bayside 202  

Bayside 104  

Non-Invasive Prenatal Test Panorama™: Technical Perspectives  
A. Ryan (USA)  
14:00 - 14:30  
Non-Invasive Prenatal Test Panorama™: Clinical Perspectives  
M. Savage (USA)  
10:05 - 10:30  
First Trimester Assessment  
J. Hyett (Australia)  
15:20 - 15:50  
Fetal Heart imaging with STIC technology  
M. Kawataki (Japan)  
10:05 - 10:30  
Cadiovascular colour Doppler imaging of fetus  
R. Chau (Germany)  
12:15 - 12:45  
Ultrasound imaging in Labour & Delivery  
Y. Kamei (Japan)  
13:00 - 13:30  
3D in Gynecology is necessary for all patients  
B. Benacerraf (USA)  
15:05 - 15:30  
High resolution imaging in 2nd and 3rd trimester scan  
B. Benoit (Monaco)  

Bayside 104  

10:20 - 10:50  
Expanding ultrasound to new users - VISIQ  
S. Suresh  
12:00 - 12:30  
Obstetrical imaging on the new EPIQ system  
K. Kalache (Germany)  
12:30 - 13:00  
GI volume imaging on the new EPIQ system  
S. Ehrler  
13:00 - 13:30  
Expanding ultrasound to new users - VISIQ  
M. Savage (USA)  
15:20 - 15:50  
Clinical experiences with the new EPIQ system  
Expert Panel

Bayside 202  

10:20 - 10:50  
Non-Invasive Prenatal Test Panorama™: Technical Perspectives  
A. Ryan (USA)  
14:00 - 14:30  
Non-Invasive Prenatal Test Panorama™: Clinical Perspectives  
M. Savage (USA)  
15:20 - 15:50  
Fetal Heart imaging with STIC technology  
M. Kawataki (Japan)  
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Cardiovascular colour Doppler imaging of fetus  
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Ultrasound imaging in Labour & Delivery  
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13:00 - 13:30  
3D in Gynecology is necessary for all patients  
B. Benacerraf (USA)  
15:05 - 15:30  
High resolution imaging in 2nd and 3rd trimester scan  
B. Benoit (Monaco)  

Bayside 104  

Bayside Gallery A  
VolusonClub lounge & hospitality suite  
Visit VolusonClub hospitality suite to experience today’s Voluson and Viewpoint innovations, and learn how Voluson technology can help you address clinical challenges. Attend educational seminars and see the latest enhancements on Voluson products and Viewpoint. GE Voluson customers are also invited to attend the VolusonClub where you can relax, browse the internet, network with colleagues and discover new aspects in ultrasound.

Bayside Gallery A  
VolusonClub lounge & hospitality suite  

Meet the Experts  
10:05 - 10:30  
Basic fetal echo 1, normal echo  
K. Kalache (Germany)  
12:30 - 14:00  
Advanced fetal echo 3, abnormal outflow  
M. Kawataki (Japan)  

12:00 - 12:30  
Obstetrical imaging on the new EPIQ system  
K. Kalache (Germany)  
12:15 - 12:45  
Advanced fetal echo 1, abnormal 4CV  
15:05 - 15:30  
Advanced fetal echo 2, abnormal 4CV  
M. Kawataki (Japan)  

Bayside 202  

10:05 - 10:30  
Basic fetal echo 2, normal echo  
12:30 - 14:00  
Advanced fetal echo 3, abnormal outflow  
15:20 - 15:50  
Advanced fetal echo 4, abnormal outflow  
M. Kawataki (Japan)
### Sponsor Activities

**Auditorium**

- **Bayside**
  - **Room Sunday 6 October**
    - **10:20 - 10:50** The new wave of Women’s healthcare
  - **Monday 7 October**
    - **10:05 - 10:30** New solution for NT (1st trimester) and long bone (2nd trimester)
      - J.V. Kwon (Korea)
    - **15:20 - 15:50** Best solution for fetal heart assessment
      - A. Weichert (Germany)
    - **10:05 - 10:30** Assessment fetal brain in 2nd trimester
      - R. Mogra (Australia)
    - **13:30 - 14:00** Best solution for fetal heart assessment
      - T. Ghi (Italy)
    - **15:05 - 15:30** Assessment fetal heart in 2nd trimester
      - R. Mogra (Australia)

**Bayside**

- **Room Monday 8 October**
  - **12:40 - 13:40** Efficacy of progesterone in women with a short cervix; can elastography provide an objective evaluation of treatment efficacy?
    - J. Hyett (Australia)
  - **15:00 - 16:00** Session Chair briefing
    - Bayside Bayside Bayside
  - **16:30 - 17:30** Clinical Standards Committee
    - Bayside Bayside Terrace

**Room Wednesday 9 October**

- **10:00 - 12:00** Perinatal Doppler Special Interest Group
  - Bayside Bayside Terrace
- **11:30 - 12:30** ASUM Examiner Course
  - Bayside Bayside Terrace
- **14:00 - 15:00** DMU Asia
  - Bayside Bayside Terrace
- **15:30 - 17:30** DDU Board
  - Bayside Bayside Terrace
- **11:45 - 12:45** Exhibitor’s closing meeting
  - Bayside Bayside Terrace

### Hospitality suites & Satellite symposia

**ISUOG meetings**

<table>
<thead>
<tr>
<th>Date</th>
<th>Start time</th>
<th>End time</th>
<th>Meeting (secretary)</th>
<th>Meeting room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday</td>
<td>09:00</td>
<td>17:00</td>
<td>ISUOG Board</td>
<td>Boardroom</td>
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<tr>
<td>5 October</td>
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<tr>
<td>Sunday</td>
<td>08:00</td>
<td>08:30</td>
<td>Session Chair briefing</td>
<td>Bayside Bayside Bayside Bayside Bayside Bayside Terrace 105</td>
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<tr>
<td>6 October</td>
<td>13:30</td>
<td>14:30</td>
<td>Education Committee</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td></td>
<td>15:00</td>
<td>16:00</td>
<td>Safety Committee</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td></td>
<td>15:15</td>
<td>16:15</td>
<td>Journal Editors meeting</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td></td>
<td>16:30</td>
<td>17:30</td>
<td>Clinical Standards Committee</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td>Monday</td>
<td>11:15</td>
<td>12:15</td>
<td>Membership Development Task Force</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td>7 October</td>
<td>12:30</td>
<td>14:00</td>
<td>Editorial Board</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td></td>
<td>14:00</td>
<td>15:30</td>
<td>Outreach Committee</td>
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<tr>
<td></td>
<td>15:30</td>
<td>16:30</td>
<td>CMF Task Force</td>
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<td></td>
<td>15:30</td>
<td>16:30</td>
<td>Gold Medal Committee</td>
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<td>17:15</td>
<td>18:15</td>
<td>Bids Committee</td>
<td>Bayside Bayside Terrace 105</td>
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<tr>
<td>Tuesday</td>
<td>08:30</td>
<td>09:30</td>
<td>Perinatal Doppler Special Interest Group</td>
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<tr>
<td>8 October</td>
<td>09:30</td>
<td>10:30</td>
<td>Patient Information Group</td>
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<td>09:30</td>
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<td>Fetal MRI Special Interest Group</td>
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<td>Scientific Committee</td>
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<td>12:45</td>
<td>13:45</td>
<td>Young Investigator’s Lunch</td>
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<td>Education Committee 2</td>
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<td>Fetal Heart Special Interest Group</td>
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<td>NPII Guideline Meeting</td>
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<td>ISUOG Board (supplementary)</td>
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<td>Barcelona Local Organising Committee</td>
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<td>Exhibitor’s closing meeting</td>
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### ASUM meetings

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<tr>
<th>Date</th>
<th>Start time</th>
<th>End time</th>
<th>Meeting (secretary)</th>
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<td>DMU Asia</td>
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<td>Standards of Practice Board</td>
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**Satellite Symposium**

- **GE Healthcare**
  - **13:25 - 14:25** Transforming Women’s Healthcare, together
    - “The Power of nSIGHT and mMARRIX technology for clinical diagnosis” S. Elliott
  - **12:45 - 13:45** How nSIGHT and mMARRIX benefit the obstetrical exam
    - M. Ruma
  - **12:45 - 13:40** “EPIQ experiences in Maternal Fetal Medicine” K. Kalache (Germany)

- **Philips**
  - **12:40 - 13:45** Efficacy of progesterone in women with a short cervix; can elastography provide an objective evaluation of treatment efficacy?
    - J. Hyett (Australia)
  - **13:25 - 14:25** Normal development of fetal cortical fissures: a longitudinal 3-dimensional ultrasound study
    - T. Ghi (Italy)
  - **12:45 - 13:45** More on the new wave of Women’s healthcare
    - B. Benoit (France)
  - **12:40 - 13:40** Foetal Doppler for late onset growth restriction
    - J. Hyett (Australia)
  - **12:45 - 13:45** A closer look behind the obvious - New diagnostic tools for prenatal diagnosis of isolated cleft palate, anotiaresia and esophageusatresia
    - L. Wilhelm (Germany)
  - **12:45 - 13:45** How nSIGHT and mMARRIX benefit the obstetrical exam
    - M. Ruma
  - **12:40 - 13:40** “EPIQ experiences in Maternal Fetal Medicine” K. Kalache (Germany)
Key Dates
December 2013 Call for abstracts opens
January 2014 Registration opens
17 May 2014 Abstract submission deadline
17 August 2014 Early bird registration deadline
17 October 2014 Congress opens

FOR MORE INFORMATION: www.asum.com.au

24th World Congress on Ultrasound in Obstetrics and Gynecology
14–17 September 2014, Barcelona, Spain

Critical dates 2014
January Call for papers
14 April Abstract submission and presenter registration deadline
14 July Early bird registration deadline
14 September Congress opens
Pre-Congress courses, 13 September

Visit isuog.org/worldcongress for full details

Organised by the International Society of Ultrasound in Obstetrics & Gynecology
E: congress@isuog.org    T: +44 (0)20 7471 9955
ISUOG and ASUM would like to thank the following industry partners for their support of the 23rd World Congress:

**Diamond level**

GE Healthcare

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PHILIPS

TOSHIBA

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**Gold level**

SIEMENS

**Bronze level**

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