



19th World Congress on Ultrasound in Obstetrics and Gynecology



13 - 17 September 2009, Hamburg, Germany

Final Program

36 German CME credits
36 European CME credits (ECMEC)



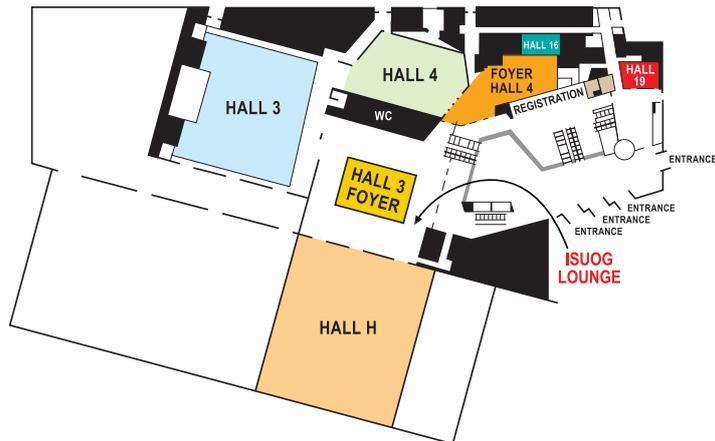
Organised by The
International Society of
Ultrasound in Obstetrics
and Gynecology
www.isuog.org

Venue floor plans

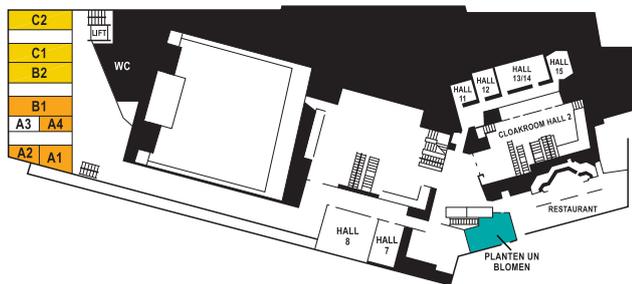
Key:

- Meeting room
- Exhibition
- Sponsors activities
- Opening plenaries
- Obstetric session hall
- Gynecology session hall
- Breakouts (pre-Congress courses, posters, all you want to know sessions)
- Speaker preparation room

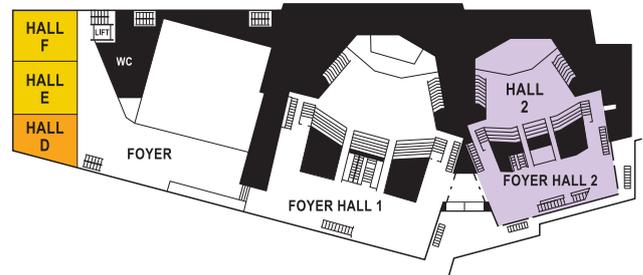
Entrance level



First floor



Second floor



Critical dates and times

Registration opening hours

Saturday 12 September 2009	07:30–17:00
Sunday 13 September 2009	07:30–20:00
Monday 14 September 2009	07:30–17:30
Tuesday 15 September 2009	07:30–17:30
Wednesday 16 September 2009	07:30–17:30
Thursday 17 September 2009	07:30–16:00

The registration area is located in the entrance foyer of the Congress Center Hamburg (CCH).

Exhibition opening hours

Sunday 13 September 2009	10:00–21:30
Monday 14 September 2009	10:00–16:30
Tuesday 15 September 2009	10:00–16:30
Wednesday 16 September 2009	10:00–16:30

The exhibition is located in Hall H.

Speakers' preparation room opening hours

Sunday 13 September 2009	09:00–18:00
Monday 14 September 2009	07:00–17:30
Tuesday 15 September 2009	07:00–17:30
Wednesday 16 September 2009	07:00–17:30
Thursday 17 September 2009	07:00–15:30

The speakers' preparation room is located in Hall 19.

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. Speakers presenting in the morning **must** check in the day before. **Please note there will be no lap top plug in facilities as we are using an integrated presentation software program.**

PowerPoint poster presenters should have sent their PowerPoint slides in advance of the Congress but may visit the speaker preparation room if they wish to check their presentation. Please note that the organisers cannot guarantee that PowerPoint posters can be included in the program if they are not received in advance.

Scientific program hours

Sunday 13 September 2009	14:00–18:00 (followed by ballet performance and welcome reception)
Monday 14 September 2009	08:30–17:30
Tuesday 15 September 2009	08:30–17:30
Wednesday 16 September 2009	08:30–17:30
Thursday 17 September 2009	08:30–15:30

The scientific program sessions will take place in Hall 3 and Hall 4. Please refer to the program for the exact location and timings of each session.

All posters will be available for viewing during scientific program hours every day on poster pods located in the foyer of Hall 3.

In addition oral posters will be presented in chaired poster discussions daily at the following times:

Monday 14 September 2009	10:05
Tuesday 15 September 2009	10:05; 15:15
Wednesday 16 September 2009	10:05
Thursday 17 September 2009	10:05; 12:30

View only poster authors will be available at 12:30 on the day the session is scheduled to answer questions and discuss their posters – please refer to the program for exact locations.

ISUOG meetings

All fully paid delegates are enrolled as ISUOG members and invited to attend the ISUOG Annual General Meeting (AGM).

Sunday 13 September 2009
15:45, Hall 2, CCH

For details of scheduled ISUOG Committee meetings, please refer to page 80 of this program.

Organising Committees

ISUOG President

- G. Pilu, Italy

Congress Chairman, Germany

- K. Hecher

Local Organising Committee, Germany

- C. Berg
- C. Brezinka (Austria)
- R. Chaoui
- A. Geipel
- U. Gembruch
- B. Hackelöer
- M. Hansmann*
- W. Henrich
- W. Holzgreve
- K. Kalache
- E. Merz
- R. Schild
- B. Tutschek (Switzerland)
- K. Vetter

ISUOG Meeting Planning Committee

- A. Tabor, Denmark (Chair)
- A. Abuhamad, USA
- A. Baschat, USA
- J. Copel, USA
- A. Gagnon, Canada
- K. Hecher, Germany
- K. Nicolaides, UK
- G. Pilu, Italy
- L. Platt, USA

ISUOG Scientific Committee

- A. Baschat, USA (Chair)
- B. Benacerraf, USA
- C. Bilardo, Netherlands
- T. Bourne, UK
- S. Goldstein, USA
- K. Hecher, Germany
- K. Maršál, Sweden
- K. Nicolaides, UK
- A. Papageorghiou, UK
- B. Thilaganathan, UK
- D. Timmerman, Belgium
- L. Valentin, Sweden
- Y. Ville, France
- S. Yagel, Israel

Executive Director

- S. Johnson, UK

ISUOG Secretariat

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*Sadly Manfred Hansmann died on 16 June 2009. The 19th World Congress is dedicated to his memory.

Welcome message

Welcome to Hamburg! I hope you will enjoy exploring the city and find time to take advantage of our many theatres, museums and galleries. I will be leading my own personal tour around the beautiful Alster lakes each morning for those of you who wish to join me for a run before sessions commence (details page 79) and I am looking forward to meeting some of you more personally then.

This is not ISUOG's first visit to Germany. The second World Congress took place in Bonn in 1992 and was expertly organised by our esteemed colleague, friend and one of ISUOG's founders, Professor Manfred Hansmann. It was with great sadness that we learnt of his death in June this year and our 2009 Congress is dedicated to his memory.

Our scientific program has certainly evolved since 1992 with over three times as many abstracts submitted. Your contributions this year have allowed our Scientific Committee to create a very interesting program and we have also introduced a few new elements: our 'All you ever wanted to know sessions'; 'State of the art lectures' and our special lectures program on Sunday. All posters are now available for viewing throughout the Congress through electronic poster terminals in the Hall 3 Foyer and you can use this to present questions to authors in case you do not have that opportunity during the session allowing further networking opportunities.

We are delighted to be hosting over 1600 participants here in Hamburg, thank you all for coming! Thank you to our sponsors and exhibitors for their generous support of our Congress and for their efforts to offer activities that support and complement our program. You can take attend supplementary sponsor sessions during the break times and all catering will be served in our exhibit hall giving plenty of opportunities to meet exhibitors, colleagues and friends.

I hope that you will all take all the opportunities on offer: to learn and share ideas through our scientific program; and to meet old friends and make new ones through our social program – the wonderful ballet organised and presented to us by John Neumeier of the Hamburg Ballet and our congress party (bring your dancing shoes!).

We hope you enjoy the 2009 ISUOG World Congress.



Kurt Hecher

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Chairperson, speaker and poster presenter guidelines

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

A networked presentation system will be used along with a software interface to ensure the quality of all presentations. All rooms are equipped with the necessary technical requirements (presentation notebook, projection and audio facilities), and additional back-up systems. **However please note that personal laptops will not be permitted so all presentations must be loaded at the speakers' preparation room (Hall 19).**

General notes

- Please ensure that you meet at the front of the session hall 15 minutes before the start of the session to introduce yourselves, and in order for the chairperson to confirm the format for the session.
- All presentations must be in English. Please speak slowly and clearly throughout; this will assist audience members who do not have English as their first language.
- Discussion time has been allocated to each session so please look at the program closely for details of discussion times in your session.
- **The program schedule is extremely tight so all speakers must adhere to the time allocated to them. Should a speaker overrun they will be interrupted by the chairperson who will request that the speaker stop. Please be considerate of other scheduled speakers if you are asked to conclude your talk and please do so promptly.**
- Participants are asked not to record sessions. However it is increasingly difficult to prevent individuals from doing so and ISUOG can take no responsibility for third party recordings. **We request that speakers who specifically object to audio/video recording of their presentations also state this before their lecture.**

Chairpersons

- There will be a chairpersons' briefing on Sunday 13 September at 12:45 in the Planten un Blomen meeting room. The briefing will last no longer than 30 minutes – please ensure that you attend.
- It is your responsibility to ensure strict adherence to presentation times as listed in the program and to direct and moderate discussion. There will be a countdown system in place in the main session halls to assist you with this.
- Should a speaker not arrive for his/her presentation, please fill in the additional time with discussion, or provided all other speakers are present, please move forward with the program. However please, as far as possible, try not to deviate dramatically from the advertised program because delegates will rely on precise timing as they move across sessions.
- At the start of the session, please ask the audience to turn off all mobile phones and pagers. Please also remind the audience that the recording of sessions is prohibited unless they have specific permission from the speakers.
- Sessions and speakers will be managed using an integrated software program. There will be a host/hostess assigned to the session hall who will assist with any requirements you may have for the running of the session. A technician from the audio-visual team will also be available.

- There will be standard microphones within each hall for discussions. Delegates will need to wait behind the microphones for questions. Please direct the audience at the start of the session as to how questions will be managed to ensure the best use of time.
- Please note that delegates are not permitted to stand at the back of the hall.

Speakers (invited and OC presentations)

- All speakers must report to the speakers' preparation room at least four hours prior to the commencement of the session in which they are due to present and, preferably, the day before their presentation. Speakers can then check their presentation with the audio-visual staff prior to the presentation being sent to the lecture hall.
- **Presentations from personal laptops are not permitted due to the integrated presentation system in use.**
- If you are presenting an oral abstract 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.

Poster (OP and P) presenters

- Presenters should have emailed their PowerPoint slides in advance of the Congress. The Organisers cannot guarantee that PowerPoint posters will be included if they are not received in advance.
- All posters will be on display from Monday 14 to Thursday 17 September 2009 via poster pods located in the Hall 3 foyer as well as at the designated discussion times – please see the program for full details.
- OP presenters will have been previously informed of the day of their presentation in the abstract acceptance letter. Poster presenters should also be available to answer questions at their specific discussion session (please refer to the program if you are unsure). Presenters should arrive at the relevant poster room at least 10 minutes prior to the listed start time for the discussion group.
- Presentations will be destroyed at the end of the Congress and will not be kept, used again, recorded or otherwise reproduced.



Invited speaker declarations

The following declarations have been received:

A. Abuhamad	EVMS uses loaned ultrasound equipment from GE Healthcare. EVMS has licensing agreement with GE Healthcare for Sono VCAD
B. Arabin	Director of a company for vaginal pessaries
T. Bourne	Director of The Women's Ultrasound Centre
J. Carvalho	Aloka have provided technical support for educational website. Equipment loan and small research grant received from Medison
J. Copel	Member of Medical Advisory Board, Prenatek
N. Cowans	Perkin Elmer provide research support (P02.10 and OP08.08)
T. D'Hooghe	Consultancy/advisory board/research funding for Bayer Schering Pharma, Astellas, Merck Serono, Ferring and Pfizer
M. Emanuel	GIS-kit BV Stockholder and Royalties (P27.06 and OC11.06)
E. Ferrazzi	Scientific advisor for Bi-Tech Srl
H. Fukunishi	Data was collected under an institutional review board – approved clinical trial sponsored by InSightec (P27.04)
S. Goldstein	Consultant for Philips; Ultrasound Director for Sonosite; Consultant for Cook Ob/Gyn
K. Helling	Advisor for GE Healthcare
I. Herraiz	Work supported by Roche Diagnostics (OP14.07)
K. Kalache	Advisor for Medison and Philips
A. Khalil	Study sponsored in part by a grant from Israel's Chief Scientist to Diagnostic Technologies; also supported by the European Union FP6
A. Khurana	Training Consultant for GE Healthcare (OP12.01)
W. Lee	Consultant for GE Healthcare, Philips Ultrasound and Siemens Medical with limited research support (OC26.03, P19.08, OP27.01)
K. Leung	Abstract supported in part by Philips with an equipment loan (OP33.06)
E. Mendelson	Medical/Scientific Advisory Board (Breast Imaging) for Hologic Medical Advisory Board (CAD for breast ultrasound) for Medipattern Consultant for Philips Ultrasound Medical/Scientific Advisory Board (Breast Ultrasound) and research support for Siemens Research support (elastography) and speaker for Supersonic Imagine Speaker for Toshiba Ultrasound
M. Meyer-Wittkopf	Consultancy with Biotest Corp for congenital CMV infections
M. Murai	Relationship with GE Healthcare, Japan (P13.05)
D. Paladini	Does some courses with General Electrics as only sponsor
G. Pilu	Consultant for GE Healthcare Occasional equipment loan from GE Healthcare
L. Platt	Consultant for GE Medical Systems and Philips Medical Systems with research support from both On the Board of Directors for Insightec Ltd
J. Steinhard	Research support from Toshiba Medical Systems Europe (P04.07 and OC06.03)
W. Sepulveda	Non-paid advisorship for Medison Co Ltd
I. Timor-Tritsch	Occasional speaker for GE Medical
J. Vaarno	Employees of the instrument and kit manufacturer, PerkinElmer (OP10.08 and P19.04)
R. Weinberger	Employed by Nanosonics as GM – Innovation and Technology (OP16.11)
A. Örnö	Relationship with GE Healthcare. Voluson system provided free of charge for the study (OP13.03)

*Declarations were not received from the following speakers: K. Nicolaides (United Kingdom); Y. Ville (France)

Accreditation and CME credit

36 German CME credits

German delegates will need to sign in and out each day of the Congress with their bar code identification card or sticker. The CME points will be allocated automatically on the electronic point accounts. Sign in and out sheets can be found at the registration desk.

36 European CME credits (ECMEC)

ISUOG is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net. The 19th World Congress on Ultrasound in Obstetrics and Gynecology is designated for a maximum of (or 'for up to') 36 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. EACCME credits are recognised by the American Medical Association towards the Physician's Recognition Award (PRA). To convert EACCME credit to AMA PRA category 1 credit, contact the AMA.

CME attendance certificates

In order to receive your certificate of attendance for the congress you must complete the CME evaluation form (found in your delegate bag) and return it to the registration desk. Please make sure you complete the form at the time of each session to give us accurate feedback. Certificates will be available from Wednesday 16 September 2009.



International Society of Ultrasound in Obstetrics and Gynecology

invites you to attend ISUOG's Annual General Meeting (AGM)

Sunday 13 September 2009

15:45

Hall 2, Congress Center Hamburg (CCH)

All fully paid delegates at ISUOG's 19th World Congress in Hamburg are automatically enrolled as members of ISUOG in 2010 and are encouraged to attend the AGM for an update on ISUOG's activities.

See the agenda and accompanying documents at www.isuog.org/membership/AGM

List of invited speakers

- | | | | |
|-------------------------------|--------------------------------|-----------------------------------|-----------------------------------|
| A. Abuhamad (United States) | E. Dreisler (Denmark) | J. Jellins (Australia) | D. Prayer (Austria) |
| Z. Alfirevic (United Kingdom) | E. Durante (Italy) | D. Jurkovic (United Kingdom) | F. Prefumo (Italy) |
| L. Allan (United Kingdom) | S. Eik-Nes (Norway) | K. Kalache (Germany) | N. Raine-Fenning (United Kingdom) |
| P. Ankum (Netherlands) | E. Epstein (Sweden) | E. Kirk (United Kingdom) | M. Rigby (United Kingdom) |
| B. Arabin (Germany) | N. Exalto (Netherlands) | M. Konstantinovic (Belgium) | R. Romero (United States) |
| K. Barnhart (United States) | E. Ferrazzi (Italy) | M. Krapp (Germany) | L. Salomon (France) |
| J. Bartholomew (Netherlands) | F. Figueras (Spain) | A. Kratochwil (Austria) | L. Savelli (Italy) |
| P. Bartmann (Germany) | D. Fischerova (Czech Republic) | T. Lau (China) | R. Schild (Germany) |
| A. Baschat (United States) | A. Gagnon (Canada) | W. Lee (United States) | W. Sepulveda (Chile) |
| R. Becker (Germany) | H. Gardiner (United Kingdom) | C. Lees (United Kingdom) | P. Sladkevicius (Sweden) |
| B. Benacerraf (United States) | A. Geipel (Germany) | F. Leone (Italy) | A. Steensma (Netherlands) |
| C. Berg (Germany) | U. Gembruch (Germany) | L. Lewi (United Kingdom) | H. Steiner (Austria) |
| C. Bilardo (Netherlands) | U. Germer (Germany) | H. Madjar (Germany) | A. Tabor (Denmark) |
| H. Blaas (Norway) | T. Ghi (Italy) | G. Malingier (Israel) | A. Testa (Italy) |
| C. Bottomley (United Kingdom) | S. Goldstein (United States) | K. Maršál (Sweden) | B. Thilaganathan (United Kingdom) |
| T. Bourne (United Kingdom) | E. Gratacós (Spain) | E. Mendelson (United States) | D. Timmerman (Belgium) |
| C. Brezinka (Austria) | S. Guerriero (Italy) | M. Merialdi (Switzerland) | I. Timor-Tritsch (United States) |
| J. Brosens (United Kingdom) | L. Guibaud (France) | E. Merz (Germany) | B. Tutschek (Switzerland) |
| P. Calda (Czech Republic) | B. Hackelöer (Germany) | M. Meyer-Wittkopf (Germany) | L. Valentin (Sweden) |
| S. Campbell (United Kingdom) | M. Hanson (United Kingdom) | M. Momtaz (Egypt) | T. Van den Bosch (Belgium) |
| J. Carvalho (United Kingdom) | K. Hecher (Germany) | A. Munding (Germany) | C. Van Holsbeke (Belgium) |
| R. Chaoui (Germany) | K. Heling (Germany) | A. Ngu (Australia) | Y. Ville (France) |
| G. Condous (Australia) | W. Henrich (Germany) | K. Nicolaidis (United Kingdom) | J. Wladimiroff (United Kingdom) |
| J. Copel (United States) | E. Hernandez (Mexico) | D. Paladini (Italy) | S. Yagel (Israel) |
| A. Czekierdowski (Poland) | Y. Ho (United Kingdom) | A. Papageorghiou (United Kingdom) | J. Yazbek (United Kingdom) |
| J. Deprest (Belgium) | W. Holzgreve (Germany) | G. Pilu (Italy) | |
| T. D'Hooghe (Belgium) | A. Huber (Germany) | L. Platt (United States) | |

Program orientation

- The **program at a glance** gives you an outline to each day's events including session titles and times, and refreshment breaks
- The **program pages** give you the detailed chronological listing of events – please note that most sessions run in parallel so you will need to read through all sessions of similar time to decide which best suits your needs.
- In all poster and oral presentation listings the presenting author name is underlined.
- All presentations which are supported by free communication abstracts have an OC (oral communication), OP (oral poster) or P (poster) number listed next to them; you can use this to refer to the detailed abstract in the abstract book.
- Some sessions include 'live scan demonstrations': these are live updates on the latest techniques and technologies in the field which support the scientific data in the same subject area.
- The poster titles are listed in the pages immediately following the day of oral sessions, the reference numbers can be used to find the relevant posters on the poster pods.
- There will also be one overall 'best abstract' prize awarded at the annual general meeting (AGM). All OC and OP sessions will be judged within their subject categories by the session chairpersons. The best presentations will receive certificates and will be formally acknowledged in the *Ultrasound in Obstetrics & Gynecology* journal.
- On the occasion of the retirement of Dr Alfred Kratochwil ISUOG will present a special award this year for the best free communication in the 3D subject area.
- There are allocated chaired discussion times for oral poster sessions ('OPs'). Authors are asked to be present during the relevant discussion session (these are listed at the appropriate times in the program pages).
- View only poster sessions are also allocated specific times for authors questions (see full program for details).
- The exhibition hall opens at 10:00 each day in time for the morning coffee break. All refreshment breaks are located within the exhibition hall (Monday to Wednesday). Thursday refreshments will be served in the Hall 3 foyer.

Visit the ISUOG Lounge in the Hall 3 foyer anytime to find out more about the society and its activities:

- ☺ ISUOG membership, online resources, courses and events
- ☺ Submitting and publishing in *Ultrasound in Obstetrics and Gynecology* (UOG)
- ☺ Accessing UOG online
- ☺ Member book club



ISUOG

Special events on the ISUOG Stand:

- ☺ **Meet the Publisher:** representatives from the publisher Wiley-Blackwell will be on the ISUOG stand at all times.
- ☺ **Meet an Editor:** ISUOG's managing Editor Sarah Hatcher and/or UOG's Editors will be on the stand to answer questions.
- ☺ **Membership Clinic:** find out how to access ISUOG member resources online and have all your membership queries answered.

	Monday 14th	Tuesday 15th	Wednesday 16th	Thursday 17th
08:00 - 17:00 (all day)	Meet the Publisher			
10:00 - 11:15 (morning break)	Meet an Editor	Meet an Editor		Membership & Website Clinic
12:30 - 14:00 (lunch)	Membership & Website Clinic	Membership & Website Clinic	Meet an Editor	Meet an Editor
15:45 - 16:30 (afternoon break)	Membership & Website Clinic		Membership & Website Clinic	

www.isuog.org

Program at a glance

Saturday 12 September 2009

	Hall C	Hall B2	
07:30	Registration		07:30
09:00–17:00	Fetal echocardiography	The practical application of ultrasound in routine gynecology	09:00–17:00

Sunday 13 September 2009

	Hall C	Hall E	Hall B2	Hall 2	Exhibition Hall	
07:30–20:00	Registration					07:30–20:00
08:00						08:00
09:00–13:00	The 11–14 week scan	Neurosonography	Breast ultrasound workshop			09:00–13:00
13:00–14:00						13:00–14:00
14:00–16:05				Welcome Stuart Campbell lecture Top 5 Abstracts Gold medal lecture ISUOG Annual General Meeting		14:00–16:05
16:05–16:25				Coffee break		16:05–16:25
16:30–18:00				Special presentations: Alfred Abuhamad, Mark Hanson		16:30–18:00
18:00–18:30				Champagne reception		18:00–18:30
18:30–19:00				Special performance from the Hamburg Ballet School		18:30–19:00
19:00–21:30					Opening ceremony and welcome reception	19:00–21:30

Monday 14 September 2009

	ORAL SESSIONS		BREAKOUTS	
	Hall 3	Hall 4	B2; C1; C2; Hall E; Hall F; Hall 4	
07:30–08:15			'All you ever wanted to know...' sessions [#]	07:30–08:15
08:30–09:00	State of the art lecture The fetus and the newborn are different patients <i>S. Eik-Nes (Norway)</i>		Oral poster viewing OP01 OP02 OP03 OP04 OP05 OP06	08:30–09:00
09:00–10:00	Young investigator presentations	Evaluating breast pathology with ultrasound Live scan demonstration		09:00–10:00
10:05–10:50			Chaired Oral Poster discussions	10:05–10:50
10:45–11:15	COFFEE & POSTER VIEWING			10:45–11:15
11:15–12:30	Live scan demonstration First trimester scan	Top rated gynecology abstracts	Poster viewing P01 P02 P03 P04 P05 P06	11:15–12:30
12:30–14:00	GE satellite symposium	LUNCH & POSTER VIEWING	Poster Q & A	12:30–14:00
14:00–15:30	Live scan demonstration Fetal heart	Early pregnancy: miscarriage and growth	Poster viewing available all week on poster terminals	14:00–15:30
15:30–16:00	COFFEE & POSTER VIEWING			15:30–16:00
16:00–17:30	Obstetric complications	Early pregnancy: PUL and ectopic pregnancy		16:00–17:30
17:30–18:15			'All you ever wanted to know...' sessions [#]	17:30–18:15

Tuesday 15 September 2009

	ORAL SESSIONS		BREAKOUTS	
	Hall 3	Hall 4	B2; C1; C2; Hall E; Hall F; Hall 4	
07:30–08:15			'All you ever wanted to know...' sessions [#]	07:30–08:15
08:30–09:00	State of the art lecture The endometrium prior to conception dictates pregnancy outcome <i>J. Brosens (United Kingdom)</i>		Oral poster viewing OP07 OP08 OP09 OP10 OP11 OP12 OP13	08:30–09:00
09:00–10:00	Live scan demonstration CNS	Abnormal uterine bleeding: uterine and endometrial pathology		09:00–10:00
10:05–10:50			Chaired Oral Poster discussions	10:05–10:50
10:45–11:15	COFFEE & POSTER VIEWING			10:45–11:15
11:15–12:30	Live scan demonstration Second trimester scan	The assessment of endometriosis and adenomyosis	Poster viewing P07 P08 P09 P10 P11 P12 P13 P14	11:15–12:30
12:30–14:00	Siemens satellite symposium	LUNCH & POSTER VIEWING	Poster Q & A	12:30–14:00
14:00–15:30	New technology and imaging	Reproductive medicine: baseline fertility scanning and PCO	Oral poster viewing OP14 OP15 OP16 OP17 OP18	14:00–15:30
15:30–16:00	Chaired Oral Poster discussions	COFFEE & POSTER VIEWING	Chaired Oral Poster discussions	15:30–16:00
16:00–17:30	COFFEE & POSTER VIEWING 3D/4D imaging	Reproductive medicine: ultrasound and assisted reproduction	Poster viewing available all week on poster terminals	16:00–17:30

Program at a glance

Wednesday 16 September 2009

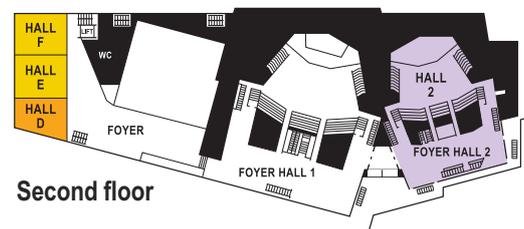
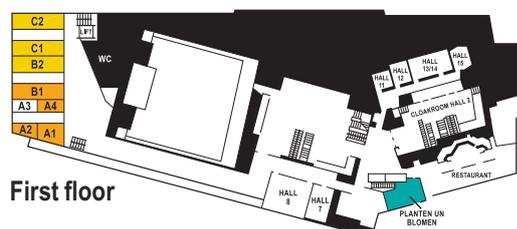
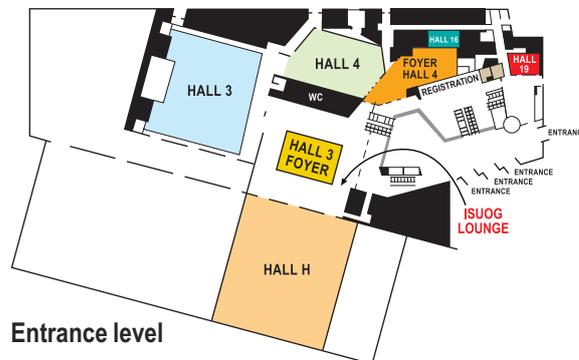
	ORAL SESSIONS		BREAKOUTS	
	Hall 3	Hall 4	B2; C1; C2; Hall E; Hall F; Hall 4	
07:30–08:15			'All you ever wanted to know...' sessions [#]	07:30–08:15
08:30–09:00	State of the art lecture The significance and outcome of specific types of congenital heart disease <i>L. Allan (United Kingdom)</i>		Oral poster viewing OP19 OP20 OP21 OP22 OP23 OP24	08:30–09:00
09:00–10:00	Live scan demonstration Fetal cardiac anomalies	Screening for malignancy and scanning asymptomatic women		09:00–10:00
10:05–10:50			Chaired Oral Poster discussions	10:05–10:50
10:45–11:15	COFFEE & POSTER VIEWING			10:45–11:15
11:15–12:30	Live scan demonstration Fetal and maternal Doppler	Diagnosis and management of ovarian pathology	Poster viewing P15 P16 P17 P18 P19 P20 P21	11:15–12:30
12:30–14:00	Medison satellite symposium	LUNCH & POSTER VIEWING	Poster Q & A	12:30–14:00
14:00–15:30	Live scan demonstration Multiple pregnancy	Imaging in the oncology patient	Poster viewing available all week on poster terminals	14:00–15:30
15:30–16:00	COFFEE & POSTER VIEWING			15:30–16:00
16:00–17:30	Live scan demonstration Invasive fetal therapy	Characterising ovarian pathology: the use of mathematical models and new technology		16:00–17:30
17:30–18:15			'All you ever wanted to know...' sessions [#]	17:30–18:15

Thursday 17 September 2009

	ORAL SESSIONS		BREAKOUTS	
	Hall 3	Hall 4	B2; C1; C2; Hall E; Hall F; Hall 4	
07:30–08:15			'All you ever wanted to know...' sessions [#]	07:30–08:15
08:30–09:00	State of the art lecture A diagnostic approach to fetal syndromes <i>B. Benacerraf (USA)</i>		Oral poster viewing OP25 OP26 OP27 OP28 OP29 OP30	08:30–09:00
09:00–10:00	Live scan demonstration Fetal growth	The post menopausal endometrium		09:00–10:00
10:05–10:50			Chaired Oral Poster discussions	10:05–10:50
10:45–11:15	COFFEE & POSTER VIEWING			10:45–11:15
11:15–12:30	Pre-term labour	Case examples and just images	Oral poster viewing OP31 OP32 OP33 OP34 OP35	11:15–12:30
12:30–14:00	LUNCH & POSTER VIEWING		Chaired Oral Poster discussions Poster viewing P22 P23 P24 P25 P26 P27	12:30–14:00
14:00–15:30	Live scan demonstration IUGR and fetal assessment	Using ultrasound to assess urogynecology patients	Poster viewing available all week on poster terminals	14:00–15:30
15:30–16:00	Closing beers!			15:30–16:00

Key:

- Meeting room
- Exhibition
- Sponsors activities
- Opening plenaries
- Speaker preparation room
- Break outs (pre-Congress courses, posters, all you want to know sessions)
- Obstetric sessions
- Obstetric live scan/debate
- Gynecology sessions
- Gynecology live scan
- Social



Posters at a glance

All posters are available for viewing all week on the poster pods in Hall 3 Foyer.

Day		Poster session	Discussion time	Hall
Monday	OP	OP01: Obstetric management (cervix, labour)	10:05–10:50 Chaired sessions	B2
	OP	OP02: First trimester aneuploidy screening		C1
	OP	OP03: Imaging techniques		C2
	OP	OP04: Fetal cardiac function		E
	OP	OP05: Fetal neurosonography: anatomy and function		F
	OP	OP06: Early pregnancy complications		4
	P	P01: Fetal anomalies in the second and third trimesters	12:30–14:00 Q & A with authors	B2
	P	P02: First trimester scan		C1
	P	P03: Fetal echocardiography: difficult diagnosis		E
	P	P04: Fetal cardiac function		E
	P	P05: Fetal neurosonography		F
	P	P06: Early pregnancy complications		4
Tuesday	OP	OP07: Fetal neurosonography: difficult anomalies	10:05–10:50 Chaired sessions	B2
	OP	OP08: First trimester scan		C1
	OP	OP09: Fetal interventions I		C2
	OP	OP10: Fetal growth from first trimester		E
	OP	OP11: Maternal and placental Doppler		F
	OP	OP12: Reproductive medicine		4
	OP	OP13: Using ultrasound in urogynecology	15:15–16:00 Chaired sessions	4
	OP	OP14: First trimester uteroplacental hemodynamics		B2
	OP	OP15: Obstetric management (maternal circulation, Cesarean scars)		C1
	OP	OP16: New developments in imaging		C2
	OP	OP17: Fetal heart		E
	OP	OP18: Multiple pregnancy I		F
	P	P07: Maternal fetal Doppler	12:30–14:00 Q & A with authors	B2
	P	P08: Obstetric management		C1
	P	P09: Novel imaging applications		C2
	P	P10: Novel imaging applications and MRI		C2
	P	P11: Fetal aneuploidy screening		E
	P	P12: Aneuploidy and other fetal anomalies in the second and third trimesters		F
P	P13: Reproductive medicine	4		
P	P14: Using ultrasound in urogynecology	4		
Wednesday	OP	OP19: Fetal Doppler	10:05–10:50 Chaired sessions	B2
	OP	OP20: Fetal anatomy in the first trimester		C1
	OP	OP21: Fetal echocardiography: diagnosis and management of cardiac anomalies		C2
	OP	OP22: Fetal interventions II		E
	OP	OP23: IUGR assessment and outcome		F
	OP	OP24: Ovarian pathology and imaging in oncology		4
	P	P15: Second and third trimesters I	12:30–14:00 Q & A with authors	B2
	P	P16: First trimester anatomy		C1
	P	P17: Second trimester fetal anomalies		C2
	P	P18: Fetal interventions		E
	P	P19: Fetal growth assessment		F
	P	P20: IUGR		F
P	P21: Ovarian pathology and imaging in oncology	4		
Thursday	OP	OP25: Preterm labour	10:05–10:50 Chaired sessions	B2
	OP	OP26: Obstetric management (cord, placenta)		C1
	OP	OP27: Fetal weight and growth assessment		C2
	OP	OP28: First trimester fetal echocardiography		E
	OP	OP29: Multiple pregnancy II		F
	OP	OP30: Abnormal uterine bleeding: uterine and endometrial pathology and endometriosis		4
	OP	OP31: Aneuploidy and other fetal anomalies in the second and third trimesters	12:30–13:15 Chaired sessions	B2
	OP	OP32: Obstetric management		C1
	OP	OP33: 3D/4D/STIC fetal echocardiography		E
	OP	OP34: Multiple pregnancy III		F
	OP	OP35: Early pregnancy and other gynecological ultrasound		4
	P	P22: Second and third trimesters II		B2
	P	P23: Obstetric outcomes and improvements	13:15–14:00 Q & A with authors	C1
	P	P24: 3D/4D/STIC fetal echocardiography		E
	P	P25: Fetal echocardiography: impact of prenatal diagnosis		E
P	P26: Multiple pregnancy	F		
P	P27: Abnormal uterine bleeding: uterine and endometrial pathology and endometriosis	4		

‘All you ever wanted to know’ sessions

‘All you ever wanted to know’ sessions must be booked in advance and can be booked at the registration desk if places are available. You will receive a ticket as proof of your registration and will need your ticket for entry.

Day	Time	Professor	Session title	Hall
Monday	07:30	B. Benacerraf (USA)	The use of 3D ultrasound in the fetus	C1
		K. Kalache (Germany)	Fetal kidney anomalies	C2
	17:30	A. Baschat (USA)	IUGR management 2009	C1
		K. Nicolaides (United Kingdom)	Screening for Down syndrome	C2
Tuesday	07:30	J. Carvalho (United Kingdom)	Early fetal echocardiography	C1
		S. Goldstein (USA)	Abnormal uterine bleeding and ultrasound	C2
Wednesday	07:30	L. Platt (USA)	Manipulating 3D volumes – tricks of the trade	C1
	17:30	A. Abuhamad (USA)	Fetal ventriculomegaly (CNS)	C1
		C. Brezinka (Austria)	Ductus arteriosus – the black sheep of the family	C2
Thursday	07:30	G. Pilu (Italy)	Posterior fossa abnormalities	C1
		R. Chaoui (Germany)	How to get the most out of your 3D volume	C2



ISUOG Education Courses 2009 / 2010



- 
5-6 December 2009, London, UK
Doppler in obstetrics & Ultrasound and labour
- 
5-7 February 2010, London, UK
Congenital anomalies & fetal echocardiography
- 
22-23 April 2010, Rome, Italy
Intensive course on gynecological ultrasound

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Program – Saturday 12 September 2009

Pre-Congress courses

09:00–17:00	COURSE 1 Fetal echocardiography	Hall C
	Course directors: J. Carvalho (United Kingdom); U. Gembruch (Germany)	
09:00	Introduction and welcome U. Gembruch (Germany); M. Rigby (United Kingdom)	
	Session I: Foundation knowledge/fundamentals Chairs: U. Gembruch (Germany); C. Berg (Germany)	
09:10	Methods and optimal imaging setting J. Bartholomew (Netherlands)	
09:30	Four-chamber view and outflow tracts – normal findings Anatomy Y. Ho (United Kingdom) Ultrasound J. Carvalho (United Kingdom)	
10:30	Discussion	
10:40–11:00	Coffee break & informal discussion with speakers	
11:00	Segmental approach and nomenclature M. Rigby (United Kingdom)	
11:30	Echo-anatomical interactive session of cardiac abnormalities Anatomy Y. Ho (United Kingdom) Ultrasound M. Rigby (United Kingdom)	
	Session II: Quiz presentation Test your skills in recognising abnormalities M. Rigby (United Kingdom)	
	Session III: Fetal cardiology update Chair: C. Berg (Germany)	
12:00	Fetal arrhythmias – diagnosis and management U. Gembruch (Germany)	
12:30–13:30	Lunch & quiz	
	Session IV: Cardiac abnormalities Chairs: M. Rigby (United Kingdom); U. Gembruch (Germany)	
13:30	Atrioventricular septal defect and atrial isomerism ('heterotaxy') Anatomical spectrum Y. Ho (United Kingdom) Ultrasound features C. Berg (Germany)	
14:10	Tetralogy of Fallot and PAVSD Anatomical spectrum S. Ho (United Kingdom) Ultrasound features U. Gembruch (Germany)	
14:50	Prenatal management of AVSD & TOF / associated abnormalities: an obstetrician's perspective C. Berg (Germany)	
15:10–15:30	Tea & quiz	
15:30	Complete transposition Anatomy Y. Ho (United Kingdom) Ultrasound & clinical findings J. Carvalho (United Kingdom)	
	Session V: Fetal cardiology update Chair: J. Carvalho (United Kingdom)	
16:00	Fetal and neonatal cardiac intervention: an overview M. Rigby (United Kingdom)	
	Session VI: Quiz review Review of clips and discussion – have you got it right? J. Carvalho (United Kingdom); U. Gembruch (Germany); M. Rigby (United Kingdom)	
17:00	Close	

Program – Saturday 12 September 2009

09:00–17:00 COURSE 2 The practical application of ultrasound in routine gynecology *Hall B2*

- Course directors: S. Goldstein (USA); L. Valentin (Sweden)*
- 09:00 How to do hydrososonography – video examples and cases
T. Van den Bosch (Belgium)
- 09:30 Practical management issues: using ultrasound to assess abnormal bleeding and response to hormone therapy
S. Goldstein (United States)
- 10:00 Appropriate management of women with PMB
L. Valentin (Sweden)

10:30–11:00 Coffee

- 11:00 Which are the important morphological features to look for when scanning the adnexa/adnexal mass?
C. Van Holsbeke (Belgium)
- 11:30 How to scan the abdomen and pelvis to check for tumour stage and recurrence
D. Fischerova (Czech Republic)
- 12:00 Case examples and images
C. Van Holsbeke (Belgium); D. Fischerova (Czech Republic)

12:30–13:30 Lunch

- 13:30 Practical advice on how to manage PUL and ectopic pregnancy
E. Kirk (United Kingdom)
- 14:00 Case examples and images in early pregnancy
G. Condous (Australia); E. Kirk (United Kingdom)
- 14:30 Medical or surgical management of miscarriage?
W. Ankum (Netherlands)

15:00–15:30 Coffee

- 15:30 How to evaluate the pelvis in infertility patients and how this impacts on management
P. Sladkevicius (Sweden)
- 16:00 How to evaluate the pelvis in women with pelvic pain – correlations with surgical findings
G. Condous (Australia)
- 16:30 Case examples and images – 3D ultrasound in gynecology
P. Sladkevicius (Sweden)
- 17:00 Close

Program – Sunday 13 September 2009

Pre-Congress courses

08:30–13:00 COURSE 3 The new role of the 11–14 week scan *Hall C*

- Course directors: K. Nicolaidis (United Kingdom); K. Hecher (Germany)*
- 08:30 Invasive and non invasive diagnosis and chromosomal abnormalities
T. Lau (China)
- 09:15 Increased nuchal translucency of normal karyotype
K. Bilardo (Netherlands)
- 10:00 Update on screening for chromosomal abnormalities
O. Kagan (Germany)
- 11:00 Screening for neural tube and cardiac defects
R. Chaoui (Germany)
- 12:00 Screening for pre-eclampsia
K. Nicolaidis (United Kingdom)
- 13:00 Close

08:30–13:00 COURSE 4 Fetal neurosonography *Hall E*

- Course directors: G. Pilu (Italy); K. Kalache (Germany)*
- 08:30 Introduction
K. Kalache (Germany)
- 08:45 2D and 3D sonography of the normal embryonic and fetal brain
I. Timor-Tritsch (USA)
- 09:10 Discussion

Program – Sunday 13 September 2009

09:15	Cerebral anomalies recognisable at the 11–13 weeks scan <i>R. Chaoui (Germany)</i>
09:40	Discussion
09:45	Ventriculomegaly <i>A. Papageorghiou (United Kingdom)</i>
10:10	Discussion

10:30–10:45 Coffee

10:45	Open and closed spina bifida <i>W. Henrich (Germany)</i>
11:10	Discussion
11:15	Agenesis of the corpus callosum and absence of the septum pellucidum <i>K. Kalache (Germany)</i>
11:40	Discussion
11:45	Cerebellar and posterior fossa anomalies <i>G. Malinge (Israel)</i>
12:10	Discussion
12:15	Destructive cerebral lesions <i>G. Pilu (Italy)</i>
12:40	Discussion and close
13:00	Close

08:00–14:00 COURSE 5 Breast ultrasound workshop

Hall B2

	<i>Course directors: B. Hackelöer (Germany); J. Jellins (Australia)</i>
08:00	Welcome <i>B. Hackelöer (Germany)</i>
08:10	Basic and new technologies <i>J. Jellins (Australia)</i>
08:40	Examination techniques and indications <i>H. Madjar (Germany)</i>
09:10	Breast ultrasound BI-RADS <i>E. Mendelson (USA)</i>
09:40	Intervention techniques <i>A. Munding (Germany)</i>

10:10–10:40 Coffee

10:40	Demonstration of ultrasound examinations <i>H. Madjar (Germany)</i>
11:00	Demonstration of interventional techniques <i>A. Munding (Germany)</i>
11:20	Preoperative staging <i>E. Durante (Italy)</i>
11:50	Cases and questions <i>B. Hackelöer (Germany)</i>
12:20	Breast ultrasound screening <i>E. Mendelson (USA)</i>
12:50	Multidisciplinary approach <i>A. Munding (Germany)</i>
13:20	3D/4D breast ultrasound <i>E. Merz (Germany)</i>
13:50	Closing remarks <i>B. Hackelöer (Germany)</i>
14:00	Close

Special Sunday lecture biographies



The Stuart Campbell lecture is given by the author of the most cited paper in Ultrasound in Obstetrics and Gynecology in the preceding year.

Kypros Nicolaides, a pioneer of fetal medicine, was born in 1953 in Paphos, Cyprus. He studied medicine at King's College London and, after seeing moving images of a fetus, fell in love with fetal medicine and has never looked back! In 1986 he described for the first time the simple and highly important ultrasonic signs for the detection of spina bifida and in 1990 observed a relationship between fetal chromosomal defects and increased fetal nuchal translucency. He became a Professor at Kings in 1992 and commenced a more-than-ten-year project researching nuchal translucency and first trimester screening for chromosomal abnormalities which has now transformed the way obstetrics is practiced in many parts of the world.

Kypros is now the founder and director of the Fetal Medicine Foundation, director of the Harris Birthright Research Centre for Fetal Medicine (the first fetal medicine unit in the UK and the biggest in the world) and Professor of Fetal Medicine at University College Hospital. He has contributed to over 950 journal articles and more than 30 books and remains a formidable teacher with 20,000 patients and around 1000 visiting doctors to his unit in any one year.

His ongoing studies in the first trimester have naturally lead to the development of the role of the 11–14 week scan in fetal and maternal assessment and in this lecture Kypros describes his ground breaking and widely cited research into early screening for pre-eclampsia.

Gold medal lecture: Developments in fetal cardiology

Ulrich Gembruch is Professor of Obstetrics and Gynecology at the University of Bonn and Director of the Department of Obstetrics and Prenatal Medicine.

Professor Gembruch has been an outstanding researcher and teacher and has made substantial contributions to the medical literature in areas of prenatal diagnosis of congenital heart defects, rare congenital malformation syndromes, multiple gestation, pregnancies after assisted reproduction, first trimester diagnosis of fetal anomalies and diagnosis and monitoring of fetal growth restriction. His most recent book "Fetal Cardiology" published in 2003 together with N. Silverman and S. Yagel, has quickly become a reference in that field. He is the recipient of numerous awards from national and international organisations over the years.

Professor Gembruch participates as a member of the editorial board for such publications as "Ultrasound in Obstetrics and Gynecology," "Fetal Diagnosis and Therapy," and "European Journal of Ultrasound" among others. He also participates on numerous national committees and is currently board member of the "German Society of Prenatal and Obstetric Medicine (DGPGM)", the "German Society of Perinatology (DPM)" and chairman of the gynaecologic branch of the "German Society of Ultrasound in Medicine (DEGUM)".



Special presentation: Maternal mortality; a global crisis – is there a role for ultrasound?

Professor Alfred Abuhamad is the chairman of the Department of Obstetrics and Gynecology and Associate Dean for Clinical Affairs at Eastern Virginia Medical School in Norfolk, Virginia. Dr. Abuhamad is the chairman of the ISUOG Outreach committee whose mission is to promote the education, training and the availability of ultrasound in underserved communities around the world. Maternal mortality related to pregnancy is the leading cause of mortality in women of child-bearing age and almost all of the maternal deaths occur in the developing world. Introducing ultrasound technology to prenatal care may have a significant impact on improving maternal and perinatal health in underserved communities by identifying at-risk pregnancies and directing deliveries to hospital settings. In this presentation, Dr. Abuhamad will outline maternal mortality as a global crisis and will define the role that ISUOG outreach can play in improving maternal health around the world.

Keynote lecture: Development origins of health and disease

Professor Mark Hanson is the founding Director of the Institute of Developmental Sciences at the University of Southampton, Director of the Division of Developmental Origins of Health and Disease in the University's School of Medicine and British Heart Foundation Professor of Cardiovascular Sciences. His research concerns many aspects of development and health, ranging from the molecular epigenetic mechanisms underlying the effects of developmental environment on physiological function, to population studies aimed at early identification of people at risk of chronic disease. Professor Hanson's research team have identified new processes in human development by which certain people are at greater risk of diseases such as obesity, diabetes and heart disease. They are now pioneering ways of intervening to prevent this disease occurring in susceptible people. Their research is one of the unique strengths of the University and is internationally acclaimed.



Program – Sunday 13 September 2009

19th World Congress

14:00–14:10		Welcome	Hall 2
	<p><i>Chairs: K. Hecher (Germany); G. Pilu (Italy)</i></p> <p>Introduction <i>G. Pilu (Italy)</i></p> <p>Dedication <i>J. Hackelöer (Germany)</i></p> <p>Welcome to the Congress and introduction of the Stuart Campbell lecture <i>K. Hecher (Germany)</i></p>		
14:10–14:30		Stuart Campbell lecture	Hall 2
14:10	<p>Early screening for pre-eclampsia <i>K. Nicolaides (United Kingdom)</i></p>		
14:30–15:20		Top 5 abstracts	Hall 2
	<p><i>Chairs: K. Hecher (Germany); A. Baschat (USA)</i></p>		
14:30	Maternal hyperoxygenation test in fetuses with congenital diaphragmatic hernia as a predictor of neonatal outcome	OC01.01	<p><i>E. Done; L. Gucciardo; T. Van Mieghem; A. Debeer; A. Sgro; D. Van Schoubroeck; N. El handouni; G. Naulaers; J. Deprest (Belgium)</i></p>
14:36	Discussion		
14:40	What measurements are needed to classify pregnancies of unknown location?	OC01.02	<p><i>B. Van Calster¹; G. Condous²; E. Kirk³; S. Van Huffel¹; T. Bourne^{3,1}; D. Timmerman¹</i> ¹(Belgium); ²(Australia); ³(United Kingdom)</p>
14:46	Discussion		
14:50	Intrapartum levator common and occult trauma visualization by translabial 3D ultrasound	OC01.03	<p><i>M. Pati¹; I. Blasi¹; V. Fenu¹; S. Latella¹; C. Re¹; E. Bertucci¹; I. Fuchs²; W. Henrich²; V. Mazza¹</i> ¹(Italy); ²(Germany)</p>
14:56	Discussion		
15:00	A practical approach to preoperatively assess ovarian pathology: combining pattern recognition and mathematical models	OC01.04	<p><i>T. Bourne^{1,2}; D. Timmerman¹; J. Zhang³; L. Valentin⁴; D. Paladini⁵; C. Van Holsbeke¹; A. Lissoni⁵; L. Savelli⁵; J. Veldman¹; A. Testa⁵; F. Amant¹; S. Van Huffel¹; L. Ameye¹</i> ¹(Belgium); ²(United Kingdom); ³(China); ⁴(Sweden); ⁵(Italy)</p>
15:06	Discussion		
15:10	Neurobehavioral performance of term small-for-gestational age newborns with normal umbilical artery Doppler	OC01.05	<p><i>F. Figueras; R. Martinez-Cruz; D. Oros; N. Padilla; F. Botet; E. Gratacós (Spain)</i></p>
15:16	Discussion		
15:20–15:45		Gold Medal presentation	Hall 2
	<p><i>Chairs: G. Pilu (Italy); K. Hecher (Germany)</i></p>		
15:20	<p>Introduction of the Ian Donald Gold Medal winner and presentation of the medal <i>S. Campbell (United Kingdom)</i></p>		
15:25	<p>Developments in fetal cardiology <i>U. Gembruch (Germany)</i></p>		
15:45–16:05		AGM	Hall 2
16:05–16:30		Coffee	
16:30–18:00		Special presentations	Hall 2
	<p><i>Chairs: G. Pilu (Italy); S. Eik-Nes (Norway)</i></p>		
16:30	Maternal mortality; a global crisis – is there a role for ultrasound?		<p><i>A. Abuhamad (USA)</i></p>
17:00	Keynote lecture: Developmental origins of health and disease		<p><i>M. Hanson (United Kingdom), introduced by H. Gardiner (United Kingdom)</i></p>
18:00–18:30		Champagne reception	Hall 2 foyer
18:30–19:00		The Hamburg Ballet School – special performance	Hall 2
	<p>Introduction by John Neumeier, Hamburg Ballet School choreographer</p>		
19:00–21:30		Welcome reception	Exhibition hall

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Program – Monday 14 September 2009

07:30–08:15		All you wanted to know about... the use of 3D ultrasound in the fetus[#]	Hall C1
<i>B. Benacerraf (USA)</i>			
07:30–08:15		All you ever wanted to know about... fetal kidney anomalies[#]	Hall C2
<i>K. Kalache (Germany)</i>			
08:30–09:00		Monday: State of the art lecture	Hall 3
<i>Chair: A. Tabor (Denmark)</i>			
08:30		Differentiating between fetal and neonatal populations: its significance for counselling <i>S. Eik-Nes (Norway)</i>	
Sturla H. Eik-Nes graduated from Münster University, Germany, in 1972. He started his postgraduate training in Obstetrics and Gynecology in Ålesund, Norway, in 1976, involved in ultrasound from the beginning, then went to the University of Trondheim where he developed the first duplex Doppler transducer for flow measurement in the fetal aorta in 1978. He moved to Sweden and in 1980 completed his PhD at the University of Lund on studies of fetal blood flow and growth. This was followed by a two-year post doctorate at Stanford University. Eik-Nes became interested in the importance of offering all women a routine ultrasound scan and initiated two of the first RCTs on the topic in the late seventies. He was instrumental in the introduction of the official routine fetal scanning program in Norway in 1986. In 1990, he founded the National Center for Fetal Medicine in Trondheim, Norway, and has chaired it since its start. The center has produced a range of publications and PhD theses focusing especially on the routine use of ultrasound, hemodynamics, sonoembryology, and safety of ultrasound. Eik-Nes has been interested in all aspects of fetal medicine and in 2006 was knighted for his achievements in fetal medicine by His Majesty King Harald V.			
09:00–10:00		Young investigator presentations	Hall 3
<i>Chairs: G. Pilu (Italy); A. Gagnon (Canada)</i>			
09:00		Association of lung perfusion with the lung to head ratio and intrapulmonary pulsed Doppler in fetuses with congenital diaphragmatic hernia <i>R. Cruz-Martinez¹; O. Moreno-Alvarez¹; O. Gomez¹; E. Hernandez¹; J. Deprest²; E. Gratacós¹</i> <i>¹(Spain); ²(Belgium)</i>	OC02.01
09:05		Discussion	
09:08		Selective ligation of the uteroplacental vessels in the pregnant rabbit is a more suitable model of intrauterine growth restriction than hyponutrition <i>E. Eixarch; F. Figueras; E. Hernandez; F. Crispi; M. Illa; E. Gratacós (Spain)</i>	OC02.02
09:13		Discussion	
09:16		Neurodevelopmental outcome at six years of age after intrauterine laser therapy for twin–twin transfusion syndrome (TTTS) <i>P. Graeve; C. Banek; G. Stegmann-Woessner; C. Prinz; C. Maschke; K. Hecher; P. Bartmann (Germany)</i>	OC02.03
09:21		Discussion	
09:24		First trimester screening for aneuploidy in HIV-infected patients <i>J. Gebb; L. Reimers; P. Dar (USA)</i>	OC02.04
09:29		Discussion	
09:32		Relationship between first trimester growth and birth weight at term <i>S. Hourier; L. Salomon; R. Fanchin; Y. Ville; P. Rozenberg (France)</i>	OC02.05
09:37		Discussion	
09:40		Maternal levels of hPL, PGH and IGF-I related to growth rate of the BPD in early pregnancy <i>N. Pedersen; M. Christiansen; A. Juul; K. Wøjdemann; A. Tabor (Denmark)</i>	OC02.06
09:45		Discussion	
09:48		Association between frontal tissue perfusion and neonatal neurobehavior in full-term small-for-gestational-age fetuses <i>R. Cruz-Martinez; F. Figueras; D. Oros; E. Meler; E. Hernandez; E. Gratacós (Spain)</i>	OC02.07
09:53		Discussion	
09:00–10:00		Evaluating breast pathology with ultrasound	Hall 4
<i>Chairs: B. Hackelöer (Germany); J. Jellins (Australia)</i>			
09:00		Overview	
09:15		The capability of breast ultrasound as a first-line diagnostic tool using BIRADS-categories in discriminating benign from malignant lesions <i>H. Hille; M. Vetter; B. Hackelöer (Germany)</i>	OC03.01
09:20		Discussion	
09:23		Mammography screening in Germany – experience from practice <i>J. Heinig; B. Veltmann; W. Veltmann; J. Steinhard (Germany)</i>	OC03.02
09:28		Discussion	
09:31		US elastography: its potential role in evaluation of breast lesions <i>A. Rotili; B. Navarro; B. Ubeda; J. Browne; C. Wolf; M. Pascual (Spain)</i>	OC03.03

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09:36	Discussion
09:39	Live scan demonstration (supported by Philips Healthcare*) <i>E. Mendelson (USA)</i>

10:05–10:50 Chaired oral poster discussions

OP01: Obstetric management (cervix, labour)	Hall B2
<i>Chairs: M. Krapp (Germany); W. Holzgreve (Germany)</i>	
OP02: First trimester aneuploidy screening	Hall C1
<i>Chairs: A. Tabor (Denmark); F. Prefumo (Italy)</i>	
OP03: Imaging techniques	Hall C2
<i>Chairs: B. Benacerraf (USA); B. Thilaganathan (United Kingdom)</i>	
OP04: Fetal cardiac function	Hall E
<i>Chairs: D. Paladini (Italy); S. Yagel (Israel)</i>	
OP05: Fetal neurosonography: anatomy and function	Hall F
<i>Chairs: G. Malinger (Israel); K. Kalache (Germany)</i>	
OP06: Early pregnancy complications	Hall 4
<i>Chairs: E. Kirk (United Kingdom); A. Ngu (Australia)</i>	

10:45–11:15 Coffee and poster viewing

11:15–12:30 First trimester scan

Hall 3

	<i>Chairs: K. Nicolaidis (United Kingdom); A. Tabor (Denmark)</i>	
11:15	First trimester screening: where are we? <i>K. Nicolaidis (United Kingdom)</i>	
11:30	Live scan demonstration: beyond NT, the first trimester detailed anomaly scan (supported by Toshiba Medical Systems*) <i>C. Bilardo (Netherlands)</i>	
11:50	Screening for Down syndrome in the first trimester: the Stockholm experience of a new web-based system <i>P. Conner; M. Kubickas; A. Marsk; I. Bartuseviciene; S. Gustafsson; M. Westgren (Sweden)</i>	OC04.01
11:55	Discussion	
11:58	LV shortening fraction – a new ultrasound marker of trisomy 21 in the first trimester <i>M. Brestak; P. Calda; V. Tomek; T. Siegl (Czech Republic)</i>	OC04.02
12:03	Discussion	
12:06	Frontomaxillary facial angle measurement may not be a useful early screening marker in Korean population <i>J. Kwon; G. Son; H. Choi; H. Hur; Y. Kim; Y. Park (South Korea)</i>	OC04.03
12:11	Discussion	
12:14	Post-hoc analysis of fetal anatomy and ultrasound markers in 3D-volumes acquired at 11–13 weeks gestation <i>A. Borrell; J. Santolaya; L. Dunn-Albanese; C. Horbaczewski; R. Henry; J. Robinson (USA)</i>	OC04.04
12:19	Discussion	
12:22	Trisomy 18 and trisomy 13 in Denmark from 1997–2007; impact of a national change in screening strategy for trisomy 21 <i>C. Ekelund; L. Skibsted; O. Petersen; A. Tabor (Denmark)</i>	OC04.05
12:27	Discussion	

11:15–12:30 Top rated gynecology abstracts

Hall 4

	<i>Chairs: D. Jurkovic (United Kingdom); D. Fischerova (Czech Republic)</i>	
11:15	Predicting ovarian malignancy if simple rules are not applicable <i>D. Timmerman¹; L. Ameye¹; D. Fischerova²; E. Epstein³; G. Melis⁴; S. Guerriero⁴; C. Van Holsbeke¹; L. Savelli⁴; R. Fruscio⁴; A. Lissoni⁴; A. Testa⁴; J. Veldman¹; I. Vergote¹; S. Van Huffel¹; T. Bourne^{1,5}; L. Valentin³ (Belgium); ²(Czech Republic); ³(Sweden); ⁴(Italy); ⁵(United Kingdom)</i>	OC05.01
11:21	Discussion	
11:25	Transvaginal color Doppler in the detection of ovarian cancer in a large study population of postmenopausal women <i>S. Guerriero¹; J. Alcazar²; S. Ajossa¹; M. Angiolucci¹; N. Garau¹; M. Pilloni¹; R. Galvan²; M. Garcia-Manero²; G. Lopez-Garcia²; C. Laparte²; G. Melis¹ (Italy); ²(Spain)</i>	OC05.02
11:31	Discussion	
11:35	The natural history over eleven years of ovarian pathology characterized as dermoid cysts using transvaginal ultrasonography <i>C. Bottomley; N. Opore; K. Hayes; T. Bourne (United Kingdom)</i>	OC05.03
11:41	Discussion	
11:45	Avulsion defect and cystocele – is there a link? <i>V. Eisenberg¹; H. Dietz² (Israel); ²(Australia)</i>	OC05.04

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

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11:51	Discussion	
11:55	External validation of “old” and new mathematical models to distinguish between benign and malignant adnexal masses <i>C. Van Holsbeke¹; B. Van Calster¹; G. Melis²; A. Testa²; S. Guerriero²; R. Fruscio²; A. Lissoni²; A. Czekierdowski³; L. Savelli²; S. Van Huffel¹; L. Valentin⁴; D. Timmerman¹</i> ¹ (Belgium); ² (Italy); ³ (Poland); ⁴ (Sweden)	OC05.05
12:01	Discussion	
12:05	Categorization of sono-mammographic results based on criteria used for BI-RADS and their accuracy – Kosovo’s experience <i>S. Sylejmani; M. Berisha; H. Baxhaku; S. Fetiu; S. Sylejmani-Shala (Kosovo)</i>	OC05.06
12:11	Discussion	
12:15	Introduction of a modified protocol for the management of patients with pregnancy of unknown location <i>K. Schramm-Gajraj; M. Cordina; J. Ross; D. Jurkovic (United Kingdom)</i>	OC05.07
12:21	Discussion	

12:30–14:00 Lunch and poster viewing

12:30–14:00 Poster discussions

P01: Fetal anomalies in the second and third trimesters	Hall B2
P02: First trimester scan	Hall C1
P03: Fetal echocardiography: difficult diagnosis	Hall E
P04: Fetal cardiac function	Hall E
P05: Fetal neurosonography	Hall F
P06: Early pregnancy complications	Hall 4

12:45–13:45 GE Healthcare satellite symposium ** Hall 3

New developments in fetal heart
R. Chaoui (Germany)
Dynamic rendering engine
B. Benoit (Monaco)
Advanced features for enhanced clinical assessment
A. Abuhamad (USA)

12:45–13:45 PerkinElmer satellite symposium ** Hall D

Pre-eclampsia risk assessment and management of high risk patients
K. Nicolaides (United Kingdom); A. Baschat (United States)

14:00–15:30 Fetal heart Hall 3

	<i>Chairs: H. Gardiner (United Kingdom); J. Wladimiroff (United Kingdom)</i>	
14:00	Assessment of fetal cardiac function <i>H. Gardiner (United Kingdom)</i>	
14:15	Live scan: how to assess fetal cardiac function (supported by Siemens AG*) <i>B. Tutschek (Switzerland)</i>	
14:35	Contraction fraction (CF) to evaluate cardiac contractility <i>B. Messing; M. Lipschuetz; D. Valsky; S. Cohen; S. Yagel (Israel)</i>	OC06.01
14:40	Discussion	
14:43	Can myocardial contractility be assessed by tissue Doppler imaging? An experimental study in an acute fetal sheep model <i>G. Acharya¹; J. Gutierrez²; T. Erkinaro³; M. Haapsamo³; K. Makikallio³; J. Huhta⁴; J. Rasanen³</i> ¹ (Norway); ² (Colombia); ³ (Finland); ⁴ (USA)	OC06.02
14:48	Discussion	
14:51	Correlation of myocardial strain and vascular Doppler parameters in anaemic fetuses – a tissue Doppler imaging study <i>J. Steinhilber; M. Michel; R. Schmitz; L. Kiesel; J. Heinig (Germany)</i>	OC06.03
14:56	Discussion	
14:59	Regional fetal cardiac function assessment with speckle tracking derived strain measurements <i>T. Van Mieghem; S. Giusca; J. D’hooge; A. Hindryckx; J. Deprest (Belgium)</i>	OC06.04
15:04	Discussion	
15:07	Mechanical fetal PR interval assessment using standard and modified Tei index approach in normal population <i>D. Pedraza; H. Muñoz; J. Jimenez; S. Pohlhammer; M. Rodriguez; M. Parra; A. Hernández; M. Yamamoto; V. Acevedo (Chile)</i>	OC06.05
15:12	Discussion	

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15:15	Fetal myocardial performance (Tei) index and left ventricular shortening fraction (LVSF) <i>D. Wood; M. Bisulli; S. Ashraf; S. Wang; A. Modena; B. Wood; R. Larkin; R. Librizzi; J. Baxter; V. Berghella; S. Weiner (USA)</i>	OC06.06
15:20	Discussion	
15:23	Changes in fetal ductus arteriosus dynamics following restriction of polyphenol-rich foods in late pregnancy <i>P. Zielinsky; L. Nicoloso; A. Piccoli; J. Manica; D. Saldanha; J. Pereira; I. Vian; L. Bender; M. Moraes; J. Silva; L. Aita; P. Pizzato (Brazil)</i>	OC06.07
15:28	Discussion	

14:00–15:30 Early pregnancy: miscarriage and growth Hall 4

	<i>Chairs: K. Barnhart (USA); J. Brosens (United Kingdom)</i>	
14:00	Virtual embryoscopy <i>N. Exalto (Netherlands)</i>	
14:15	New approaches to evaluating early embryonic growth <i>C. Bottomley (United Kingdom)</i>	
14:35	Natural history, diagnosis and treatment of Cesarean scar ectopic pregnancy <i>D. Jurkovic (United Kingdom)</i>	
14:55	A new crown-rump length curve based on over 3500 pregnancies <i>A. Pexsters¹; A. Daemen¹; C. Bottomley²; D. Van Schoubroeck¹; L. De Catte¹; B. De Moor¹; T. D'Hooghe¹; C. Lees²; D. Timmerman¹; T. Bourne^{1,2}</i> ¹ (Belgium); ² (United Kingdom)	OC07.01
15:00	Discussion	
15:03	The prevalence of uterine anomalies and their impact on early pregnancy in women undergoing assisted reproduction treatment <i>K. Jayaprakasan; J. Clewes; S. Deb; Y. Chan; C. Sjoblom; N. Raine-Fenning (United Kingdom)</i>	OC07.02
15:08	Discussion	
15:11	The use of power Doppler colour scoring to predict successful expectant management in women with an incomplete miscarriage <i>I. Casikar; J. Riemke; T. Bignardi; D. Alhamdan; C. Lu; G. Condous; M. Mongelli (Australia)</i>	OC07.03
15:16	Discussion	
15:19	The value of assessment of patient history and pain and bleeding scores prior to early pregnancy transvaginal ultrasound assessment <i>C. Bottomley¹; V. Van Belle²; E. Kirk¹; D. Timmerman²; T. Bourne^{1,2}</i> ¹ (United Kingdom); ² (Belgium)	OC07.04
15:24	Discussion	

15:30–16:00 Coffee and poster viewing

16:00–17:30 Obstetric complications Hall 3

	<i>Chair: K. Maršál (Sweden); B. Hackelöer (Germany)</i>	
16:00	Fetal infections <i>Y. Ville (France)</i>	
16:20	Quality assessment of fetal biometry in locally trained sonographers in a developing country setting <i>M. Rijken^{1,2}; S. Lee^{1,3}; G. Visser²; A. Papageorghiou³; F. Nosten^{1,3}; R. McGready^{1,3}</i> ¹ (Thailand); ² (Netherlands); ³ (United Kingdom)	OC08.01
16:25	Discussion	
16:28	Congenital cytomegalovirus infection: viral load and fetal symptoms <i>D. Nowakowska; E. Paradowska; W. Sobala; M. Studzinska; M. Rycel; M. Grzesiak; Z. Lesnikowski; J. Wilczynski (Poland)</i>	OC08.02
16:33	Discussion	
16:36	Cytomegalovirus: a retrospective comparative analysis of fetal ultrasound and magnetic resonance imaging in predicting fetal outcome <i>L. Lannoo; B. De Becker; F. Claus; S. Dymarkowski; N. El handouni; K. Lagrou; M. Hanssens; R. Devlieger; L. De Catte (Belgium)</i>	OC08.03
16:41	Discussion	
16:44	Modulation of total vascular resistance in early mild gestational hypertension decreases the rate of complications <i>G. Gagliardi; B. Vasapollo; G. Novelli; D. Manfredotto; H. Valensise (Italy)</i>	OC08.04
16:49	Discussion	
16:52	Impact of first trimester aspirin on population prevalence of pre-eclampsia <i>A. Baschat¹; L. Poon²; M. Blitzer¹; K. Nicolaidis²; C. Harman¹</i> ¹ (USA); ² (United Kingdom)	OC08.05
16:57	Discussion	

Program – Monday 14 September 2009

17:00	To explore the value of contrast-enhanced ultrasound (CEUS) technology in the diagnosis of placenta accreta <i>C. Xinlin (China)</i>	OC08.06
17:05	Discussion	
17:08	Assessment of cervical length at mid gestation by transvaginal ultrasound as a predictor of Cesarean delivery at term in primiparous women <i>S. Negm; R. Kamel; M. Momtaz; A. Magdy (Egypt)</i>	OC08.07
17:13	Discussion	
17:16	Does occipito-posterior position in the second stage of labour increase the operative delivery rate? <i>J. Ludlow; B. DeVries; W. Carseldine; H. Phipps; S. Zawada; S. Krishnan; N. Campbell (Australia)</i>	OC08.08
17:21	Discussion	
17:24	Impact of transperineal ultrasound to assess fetal head descent on obstetrical interventions at full cervical dilatation <i>A. Dueckelmann; S. Michaelis; C. Bamberg; J. Lange; A. Nonnenmacher; J. Dudenhausen; K. Kalache (Germany)</i>	OC08.09
17:29	Discussion	

16:00–17:30 Early pregnancy: PUL and ectopic pregnancy Hall 4

	<i>Chairs: T. Bourne (United Kingdom); N. Exalto (Netherlands)</i>	
16:00	Lessons learnt from combining UK and USA data for the management of PUL <i>K. Barnhart (USA)</i>	
16:30	Evidence based management of PUL and ectopic pregnancy <i>E. Kirk (United Kingdom)</i>	
16:50	A novel technique for the semi-automated measurement of embryo volume <i>S. Sur; N. Raine-Fenning; J. Clewes; K. Jayaprakasan; N. Jones; N. Porter; B. Winter (United Kingdom)</i>	OC09.01
16:55	Discussion	
16:58	Endometrial volume measurements by transvaginal three-dimensional ultrasound for the prediction of outcome in pregnancies of unknown location <i>T. Bignardi; D. Alhamdan; J. Riemke; M. Mongelli; I. Casikar; G. Condous (Australia)</i>	OC09.02
17:03	Discussion	
17:06	Novel biochemical markers to predict spontaneous resolution of pregnancies of unknown location <i>M. Chetty; E. Sawyer; T. Dew; J. Chapman; J. Elson (United Kingdom)</i>	OC09.03
17:11	Discussion	
17:14	Does an intact endometrial midline echo predict ectopic pregnancy in women with pregnancy of unknown location? <i>W. Hoo; B. Jones; M. Backos; S. Hollamby (United Kingdom)</i>	OC09.04
17:19	Discussion	
17:22	Which variables are significantly different in women undergoing ectopic pregnancy management? <i>T. Bignardi; J. Riemke; I. Casikar; D. Alhamdan; C. Lu; M. Mongelli; G. Condous (Australia)</i>	OC09.05
17:27	Discussion	

17:30–18:15 All you ever wanted to know about... IUGR management# Hall C1

A. Baschat (USA)

17:30–18:15 All you ever wanted to know about... screening for Down syndrome# Hall C2

K. Nicolaides (United Kingdom)



Posters – Monday 14 September 2009

Oral poster presentations

Chaired oral poster sessions 10:05–10:50

Viewing available all week on poster pods

OP01: Obstetric management (cervix, labour)

Chairs: M. Krapp (Germany); W. Holzgreve (Germany)

A longitudinal study of sonographic cervical length in nulliparous and multiparous women

J. Kusanovic (USA)

Ultrasound cervical length measurement for the prediction of delivery before 32 weeks in emergency cerclage for cervical insufficiency

F. Fuchs (France)

Use of 3D power Doppler ultrasound and VOCAL in cervix for labor induction in prolonged pregnancy

R. De Diego Burillo (Spain)

Evaluation of cervical dilatation during active labor using translabial three-dimensional ultrasound

A. Zimmerman (Israel)

Relationship between cervical dilatation and fetal head station using an ultrasound and position tracking system. Do we need cervical examination?

J. Nizard (France)

Intrapartum sonography for the diagnosis of persistent occiput posterior position and the progression angle in the second stage of labour

I. Blasi (Italy)

Intrapartum translabial ultrasound parameters of normal fetal head descent

B. Tutschek (Switzerland)

Transperineal ultrasound features of the fetal head according to position

A. Dueckelmann (Germany)

Correlation between two different non invasive approaches to measure fetal head station: angle of progression and labroPro system

J. Nizard (France)

Standard values of symphyseal joint in pregnant women

F. Chen (Germany)

OP02: First trimester aneuploidy screening

Chairs: A. Tabor (Denmark); F. Prefumo (Italy)

Real-time three-dimensional ultrasound in assisting the acquisition of a true midsagittal section using a matrix probe with Live xPlane Imaging

T. Lau (China)

Effect of deviation of nuchal translucency measurements on the performance of screening for trisomy 21

K. Kagan (Germany)

Dependency of fetal NT thickness on the position of the fetal head

K. Kagan (Germany)

A NTMoM and DVPIVMoM based model to predict outcome in fetuses at increased first trimester risk: a promising method to reduce false positive rates

E. Timmerman (Netherlands)

Performance of first trimester combined screening test for trisomy 21 and trisomy 13/18 with the double test taken before or after 10 weeks in 44,537 singleton pregnancies

O. Petersen (Denmark)

Feasibility of a contingent test completed in the first trimester to screen for trisomy 21

A. Borrell (Spain)

The NTplus screening model for trisomy 21 – a modified integrated test

O. Habayeb (United Kingdom)

Tricuspid regurgitation in screening pregnancies at 11+0 to 13+6 weeks of gestation

T. Stefania (Romania)

An analysis of the outcome of the fetuses with increased nuchal translucency in Japanese population – a study in one referral center

Y. Kamei (Japan)

The impact of first trimester screening and early fetal anomaly scan on invasive testing rates in women of advanced maternal age

A. Hagen (Germany)

No significant difference between nuchal translucency (NT) in weeks 11–13+6 of singleton pregnancies conceived spontaneously and by IVF/ICSI

N. Okun (Canada)

The impact of fetal gender on first trimester Down syndrome risk assessment

E. Timmerman (Netherlands)

OP03: Imaging techniques

Chairs: B. Benacerraf (USA); B. Thilaganathan (United Kingdom)

A critical review of the benefits and limits of MRI as a complementary method for the diagnosis of fetal malformations

R. Ximenes (Brazil)

Abstract number

Hall B2

OP01.01

OP01.02

OP01.03

OP01.04

OP01.05

OP01.06

OP01.07

OP01.08

OP01.09

OP01.10

Hall C1

OP02.01

OP02.02

OP02.03

OP02.04

OP02.05

OP02.06

OP02.07

OP02.08

OP02.09

OP02.10

OP02.11

OP02.12

Hall C2

OP03.01

Posters – Monday 14 September 2009

Abstract number

Diagnostic sensitivity and clinical value of prenatal ultrasound, post-mortem magnetic resonance imaging and conventional autopsy in structural fetal abnormality <i>A. Breeze (United Kingdom)</i>	OP03.02
Diagnostic sensitivity and clinical value of prenatal ultrasound, post-mortem magnetic resonance imaging and conventional autopsy for late miscarriage and stillbirth <i>A. Breeze (United Kingdom)</i>	OP03.03
Distribution of central venous blood flow in the fetal lamb examined with contrast-enhanced ultrasound <i>E. Hernandez (Mexico)</i>	OP03.04
Blood flow in the inferior vena cava of fetal lamb visualized with contrast-enhanced ultrasound <i>E. Hernandez (Mexico)</i>	OP03.05
Fetomaternal pharmacokinetics of gadolinium chelate contrast agent after intravenous maternal application in mice <i>L. Salomon (France)</i>	OP03.06
In-vivo MRI measurement of fetal blood oxygen saturation in cardiac ventricles of fetal sheep: a feasibility study <i>U. Wedegärtner (Germany)</i>	OP03.07
In vivo assessment of fetal lung development by magnetic resonance imaging (MRI) in a preclinical rabbit model <i>E. Done (Belgium)</i>	OP03.08
The usefulness of MRI in the diagnosis of fetal lung maturity <i>Y. Oka (Japan)</i>	OP03.09
Reference range of fetal lung volume by three-dimensional ultrasound using the VOCAL method <i>L. Bussamra (Brazil)</i>	OP03.10
Normal fetal lung volume using three-dimensional eXtended Imaging Virtual Organ Computer aided AnaLysis (XIVOCAL) method in Korean population <i>H. Won (South Korea)</i>	OP03.11

OP04: Fetal cardiac function

Hall E

<i>Chairs: D. Paladini (Italy); S. Yagel (Israel)</i>	
The fetal cardiovascular response to an increased placental vascular resistance (PVR) measured with STIC and VOCAL <i>N. Hamill (USA)</i>	OP04.01
Premature fetal closure of the arterial duct: clinical presentation and outcome <i>L. De Catte (Belgium)</i>	OP04.02
Cardiac tamponade does not account for hydrops in fetuses with congenital cystic adenomatoid malformation <i>E. Michelfelder (USA)</i>	OP04.03
The myocardial performance (Tei) index is more reliable than shortening fraction (LVSF) in early late trimester fetuses for determining ventricular function <i>D. Wood (USA)</i>	OP04.04
Assessment of fetal myocardial performance using standard and modified Tei index in normal population <i>H. Muñoz (Chile)</i>	OP04.05
Qualitative evaluation of radial and longitudinal isovolumic time intervals in fetuses by tissue Doppler imaging (TDI) echocardiography <i>R. Schmitz (Germany)</i>	OP04.06
Velocity vector imaging (VVI) of regional myocardial function in normal fetuses <i>E. Gottschalk (Germany)</i>	OP04.07
Direct 4D-MPI in fetuses with evolving cardiac compromise <i>B. Messing (Israel)</i>	OP04.08
Left ventricle ejection fraction values by planimetric in fetuses between 17 and 40 weeks <i>J. Otero (Colombia)</i>	OP04.09
Role of cardiac output redistribution in maintaining cardiac function in fetuses with isolated congenital heart diseases (CHD) <i>M. Bellotti (Italy)</i>	OP04.10

OP05: Fetal neurosonography: anatomy and function

Hall F

<i>Chairs: G. Malinger (Israel); K. Kalache (Germany)</i>	
Comparison between fetal 2D/3D neurosonography and magnetic resonance imaging findings in a selected population <i>M. Del Rio (USA)</i>	OP05.01
3D multislice analysis of ultrasound volumes for the prenatal diagnosis of central nervous system fetal malformations <i>M. Sherif (Egypt)</i>	OP05.02
Three-dimensional ultrasound demonstration of fetal hippocampus <i>L. Gindes (Israel)</i>	OP05.03
Fetal vermian biometry in normal and abnormal posterior fossa: 3D ultrasonographic study <i>E. Bertucci (Italy)</i>	OP05.04
The prenatal visualisation of the "molar tooth sign" in case of Joubert syndrome and related disorders using 3D ultrasound and/or MRI <i>E. Quarello (France)</i>	OP05.05
Nomograms of fetal brain organs among different local populations in Israel <i>S. Haddad (Israel)</i>	OP05.06

Posters – Monday 14 September 2009

	Abstract number
Neurodevelopment of fetus assessed by fetal movements in second and third trimester with 3/4D sonography <i>M. Ditte (Slovakia)</i>	OP05.07
Fetal general movements and brain sonography in a population at high risk for preterm birth <i>F. Rosier-van Dunné (Netherlands)</i>	OP05.08
The development of senses – a concept for future trials <i>B. Arabin (Germany)</i>	OP05.09
Fetal movements and CNS development <i>A. D'Elia (Italy)</i>	OP05.10
OP06: Early pregnancy complications	Hall 4
<i>Chairs: E. Kirk (United Kingdom); A. Ngu (Australia)</i>	
Ultrasound imaging after hydatidiform mole surgical evacuation as a prognostic factor for gestational trophoblastic neoplasia <i>P. Cavoretto (Italy)</i>	OP06.01
The K-P algorithm: new 1st trimester growth assessment technique. Correlation with earliest recorded embryo length, comparison with Robinson's formula <i>J. Riemke (Australia)</i>	OP06.02
A new mathematical model for the prediction of successful expectant management of first trimester miscarriage <i>I. Casikar (Australia)</i>	OP06.03
Gestational sac volume in missed abortion compared to normal pregnancies <i>M. Odeh (Israel)</i>	OP06.04
Development of a new model to predict viability at the end of the 1st trimester after a single visit to an early pregnancy unit – preliminary results <i>J. Riemke (Australia)</i>	OP06.05
Volume measurements and morphological assessment of the gestational sac using VOCAL technique <i>K. Koterova (Czech Republic)</i>	OP06.06
Does symptomatology correlate with successful expectant management of first trimester miscarriage? <i>I. Casikar (Australia)</i>	OP06.07
Can we predict which patients will need a second dose of methotrexate or a laparoscopy after ultrasonically diagnosed ectopic pregnancies? <i>L. Pepas (United Kingdom)</i>	OP06.08
Conservative management of tubal ectopic pregnancy: the protocol of our early pregnancy unit <i>T. Bignardi (Australia)</i>	OP06.09
Is Doppler ultrasound still dangerous? <i>S. Helmy (Austria)</i>	OP06.10

Posters (view only)

Poster discussion 12:30–14:00

Viewing available all week on poster pods

	Abstract number
P01: Fetal anomalies in the second and third trimesters	Hall B2
Aberrant right subclavian artery (ARSA) in fetuses with trisomy 21 <i>R. Chaoui (Germany)</i>	P01.01
Down syndrome screening using first trimester combined tests and conditional use of femur length at routine anomaly scan <i>L. Salomon (France)</i>	P01.02
The course of the pregnancy after "normal" first-trimester-screening <i>K. Heling (Germany)</i>	P01.03
Outcome of pregnancies complicated by oligohydramnios or anhydramnios of renal origin <i>E. Grijseels (Netherlands)</i>	P01.04
Fetal gastroschisis: prenatal diagnosis and neonatal outcome <i>M. Knüppel (Germany)</i>	
Decision making and attitudes towards invasive prenatal diagnosis in the early second trimester <i>A. Willruth (Germany)</i>	P01.06
3D/4D ultrasound – diagnostic value in the assessment of anomalies affecting specific limb segments or bones <i>E. Merz (Germany)</i>	P01.07
Normal fetal salivary glands at 14 to 16 weeks of gestation as observed by transvaginal ultrasound <i>M. Odeh (Israel)</i>	P01.08
Complex prenatal diagnostics of congenital malformation in patients after assisted reproductive technologies <i>I. Sopko (Ukraine)</i>	P01.09
Pre- and postnatal diagnosis and outcome of fetus and neonates with esophageal atresia (EA) and tracheo-esophageal fistula (TEF) <i>E. Grijseels (Netherlands)</i>	P01.10
Natural history of prenatal thickness, nasal bone length and nuchal fold in continuing Down syndrome pregnancies <i>F. Vos (Netherlands)</i>	P01.11

Posters – Monday 14 September 2009

	Abstract number
Prenatal diagnosis of hemivertebra <i>M. Basbug (Turkey)</i>	P01.12
Screening for major fetal structural defects during the second trimester of pregnancy in a Chilean population: experience of 6 years <i>M. Parra-Cordero (Chile)</i>	P01.13
Prenatal diagnosis of congenital absence of portal system <i>R. Achiron (Israel)</i>	P01.14
The significance of an absent fetal stomach <i>A. McKelvey (United Kingdom)</i>	P01.15
A case of sacrococcygeal teratoma (Type II) prenatally diagnosed by ultrasonography and fetal MRI <i>J. Shin (South Korea)</i>	P01.16
The lethal multiple pterygium syndrome: prenatal ultrasonographic and postmortem findings – a case report <i>L. Bussamra (Brazil)</i>	P01.17
Congenital diaphragmatic hernia – factors influencing decision making <i>M. Entezami (Germany)</i>	P01.18
Prenatal US diagnosis of infantile hepatic hemangioendothelioma: a case report <i>H. Yang (South Korea)</i>	P01.19
Intrauterine spontaneous main bronchus obstruction in congenital diaphragmatic hernia mimicking CAM? <i>M. Entezami (Germany)</i>	P01.20
P02: First trimester scan	Hall C1
Development of the human heart: a study using contemporary techniques <i>J. Jirasek (Czech Republic)</i>	P02.01
Embryonal human development: stages, early age estimations and early anomalies <i>J. Jirasek (Czech Republic)</i>	P02.02
First trimester measurements of nasal bone length using three-dimensional ultrasound <i>M. Chen (China)</i>	P02.03
Identification of the nasal bone during the 1st trimester of pregnancy: a new technique <i>G. DeVore (USA)</i>	P02.04
Aneuploidy recurrence: new data <i>P. Bouhanna (France)</i>	P02.05
Formative assessment using audit and feedback to improve nuchal translucency image quality <i>G. Haddad (France)</i>	P02.06
Doctors knowledge about Down syndrome screening and management <i>L. Salomon (France)</i>	P02.07
Increased hepatic artery flow in first early- second trimester fetuses with enlarged nuchal translucency <i>C. Bilardo (Netherlands)</i>	P02.08
New chart for ultrasound dating of pregnancy in the first trimester based on a large sample of Czech population <i>M. Hynek (Czech Republic)</i>	P02.09
Stability of first trimester serum markers for assessment of risk for aneuploidy <i>N. Cowans (United Kingdom)</i>	P02.10
Feasibility and duration of a complete 11+0 – 13+6 wks fetal assessment <i>G. Rembouskos (Italy)</i>	P02.11
The additional value of embryonic volume measurements in virtual reality: a case report <i>M. Rousian (Netherlands)</i>	P02.12
2D and 3D ultrasound chorion measurement and its association with embryonic growth in early pregnancy <i>M. Pietryga (Poland)</i>	P02.13
Spontaneous resolution of first trimester cardiac diverticulum and pericardial effusion <i>P. Dar (USA)</i>	P02.14
Should medical termination of pregnancy be a better option than surgical termination for fetal abnormality diagnosed in 1st trimester? <i>H. Samarage (United Kingdom)</i>	P02.15
High risk first trimester combined test is a better predictor of abnormal pregnancy outcome than abnormal PAPP-A concentration alone <i>V. Conserva (Italy)</i>	P02.17
P03: Fetal echocardiography: difficult diagnosis	Hall E
The abnormal three-vessel and trachea view and single umbilical artery in screening for congenital heart anomalies at 22–23 weeks <i>E. Assimakopoulos (Greece)</i>	P03.01
Application of the three-vessel view in routine prenatal screening for congenital heart disease <i>Q. Wu (China)</i>	P03.02
Three cases of double aortic arch diagnosed in fetal period <i>K. Tsujimura (Japan)</i>	P03.03
Right aortic arch: 7 cases <i>I. Tamarit (Spain)</i>	P03.04

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	Abstract number
Report of a case of right ductus arteriosus in a fetus with right aortic arch <i>X. Zhang (Singapore)</i>	P03.05
A vertical vein mimicking a left superior cava vein in the setting of a misdiagnosed case of total anomalous drainage: an overlooked diagnostic clue <i>M. Rodríguez (Spain)</i>	P03.06
Prenatal diagnosis of a case with pulmonary sling of the left pulmonary artery <i>K. Heling (Germany)</i>	P03.07
Prenatally diagnosed interrupted IVC: a report of 2 cases <i>J. Tan (Singapore)</i>	P03.08
Ventriculocoronary connections in fetuses with pulmonary or aortic atresia with intact ventricular septum <i>U. Gembruch (Germany)</i>	P03.09
Prenatal echocardiography for detecting isolated total anomalous pulmonary venous connection by four-dimensional ultrasound <i>K. Yoshikoshi (Japan)</i>	P03.10
The role of the redundant septum primum in RV greater than LV disproportion <i>D. Wood (USA)</i>	P03.11
Holt-Oram syndrome – case report and prenatal treatment <i>K. Haratz (Brazil)</i>	P03.12
Neonatal Marfan syndrome <i>C. Hugger (Germany)</i>	P03.13
P04: Fetal cardiac function	Hall E
Assessment of myocardial performance index (MPI) in anemic fetuses pre and post intrauterine transfusion by tissue Doppler imaging (TDI) echocardiography <i>R. Schmitz (Germany)</i>	P04.01
Ejection fraction on the left ventricle by planimetric in fetuses with congenital cardiac anomalies and gestational diabetes at 17 to 40 weeks <i>J. Otero (Colombia)</i>	P04.02
Tissue Doppler imaging: fetal cardiac time intervals <i>J. Ritgen (Germany)</i>	P04.03
Benign fetal ventricular arrhythmias: Doppler and m-mode findings <i>D. Wood (USA)</i>	P04.04
Sotalol and digoxin in fetal atrial flutter: correlation with fetal cardiac output, ejection fraction by planimetric and middle cerebral artery <i>J. Otero (Colombia)</i>	P04.05
Cardiomegaly in fetus: a powerful indicator of fetal and neonatal demise <i>M. Respondek-Liberska (Poland)</i>	P04.06
Assessment of myocardial strain in anaemic fetuses before and after intrauterine transfusion. A tissue Doppler imaging study <i>J. Steinhart (Germany)</i>	P04.07
P05: Fetal neurosonography	Hall F
Prenatal diagnosis of characteristic CNS features in thanatophoric dysplasia (TD) <i>H. Blaas (Norway)</i>	P05.01
Ultrasound vs. magnetic resonance in fetal central nervous system anomalies, a Markov's chain cost effectiveness analysis <i>J. Bello-Muñoz (Spain)</i>	P05.02
Antenatal neuronal fiber tracking with diffusion tensor MRI in humans <i>O. Ami (France)</i>	P05.03
Choroid plexus cyst: how much do we need to worry <i>A. Kesrouani (Lebanon)</i>	P05.04
Facial dysmorphisms associated with holoprosencephaly <i>S. Kim (South Korea)</i>	P05.05
Antenatal diagnosed occipital calcification: a case of craniosynostosis <i>H. Cho (South Korea)</i>	P05.06
Prenatal diagnosis of the frontonasal encephalocele: case report <i>H. Lee (South Korea)</i>	P05.07
Fetal intracranial hemorrhage in late pregnancy – case report and differential diagnosis <i>K. Haratz (Brazil)</i>	P05.08
Septo-optic dysplasia: a differential diagnosis in fetus with absence of the septum pellucidum – case report <i>L. Nardoza (Brazil)</i>	P05.10
3D ultrasound in complete agenesis of corpus callosum <i>M. Wiechec (Poland)</i>	P05.11
Developmental outcome of prenatally diagnosed agenesis of the corpus callosum <i>M. Lee (South Korea)</i>	P05.12
Relationship between the ventricular size measured by prenatal ultrasound and postnatal outcome in fetuses with agenesis of the corpus callosum <i>K. Han (South Korea)</i>	P05.13

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Abstract number

Fetal cerebral ventriculomegaly: prenatal diagnosis, chromosomal abnormalities and associated anomalies in 146 fetuses <i>M. Mailath-Pokorny (Austria)</i>	P05.14
Fetal ultrasound findings associated with acute parvovirus in pregnancy <i>D. Nowakowska (Poland)</i>	P05.15
Interobserver repeatability of transabdominal 3D ultrasound of the fetal brain <i>N. Fratelli (Italy)</i>	P05.16
P06: Early pregnancy complications	Hall 4
Sonographic appearance of decidua basalis in the first trimester of pregnancy <i>H. Wong (Australia)</i>	P06.01
Laterality, nature of corpus luteum and outcome of pregnancy <i>P. Bhattacharjee (United Kingdom)</i>	P06.02
Role of follow up ultrasound scan in medical termination of pregnancy <i>A. Dutta (United Kingdom)</i>	P06.03
The significance of the ultrasound examination in diagnosis and treatment of ectopic pregnancy <i>J. Bila (Serbia)</i>	P06.04
Role of ultrasound in surgical terminations under seven weeks gestation <i>A. Matah (United Kingdom)</i>	P06.05
The effect of training in ultrasound on women attending the accident and emergency department <i>S. Visvanathan (United Kingdom)</i>	P06.06
Ectopic cesarean pregnancy diagnosing and termination – our experience <i>S. Sylejmani (Kosovo)</i>	P06.07
Successful management of a heterotopic twin pregnancy on Cesarean scar combined with a viable intrauterine pregnancy <i>F. Prefumo (Italy)</i>	P06.08
Ectopic pregnancy within a cesarean section scar: sonographic assessment and treatment of 5 cases over 16 months at one institution <i>J. Lerner (USA)</i>	P06.09
Therapeutical options of Cesarean scar pregnancy: experience of a university hospital <i>M. Bij de Vaate (Netherlands)</i>	P06.10
Cesarean scar pregnancy – case report, ultrasound evaluation and management <i>K. Dlouha (Czech Republic)</i>	P06.11
Three-dimensional power Doppler angiography (PDA) and Doppler pulse indices assessment of placental vascularization in patients with threatened abortion <i>S. Tamarit (Spain)</i>	P06.12
Arteriovenous malformation as a consequence of a scar pregnancy <i>A. Rygh (Norway)</i>	P06.13
Diagnosis and treatment of cornual ectopic pregnancy <i>V. Gleeson (Ireland)</i>	P06.14
Ectopic pregnancy in Cesarean scar: extremely rare case complicated by incomplete curettage following voluntary interruption of pregnancy <i>M. Achilare (Italy)</i>	P06.15
Treatment of a viable Cesarean scar pregnancy <i>M. Yayla (Turkey)</i>	P06.16
Practical and clinical uses of 3D power Doppler angiography in the quantitative determination of vascularization in OB/GYN <i>I. Timor-Tritsch (USA)</i>	P06.17
Ectopic pregnancy treated with ultrasound-guided local methotrexate injection <i>L. Wang (China)</i>	P06.18
Mini-invasive imaging-guided treatment of ectopic pregnancy <i>T. Makukhina (Russia)</i>	P06.19



Program – Tuesday 15 September 2009

07:30–08:15 All you ever wanted to know about... early fetal echocardiography# Hall C1

J. Carvalho (United Kingdom)

07:30–08:15 All you ever wanted to know about... abnormal uterine bleeding and ultrasound# Hall C2

S. Goldstein (USA)

08:30–09:00 Tuesday: State of the art lecture Hall 3

Chairs: T. Bourne (United Kingdom); I. Timor-Tritsch (USA)

08:30 The endometrium prior to conception dictates pregnancy outcome
J. Brosens (United Kingdom)

Jan Brosens graduated from the Catholic University Leuven, Belgium in 1990 and pursued postgraduate training in Obstetrics and Gynaecology in the United Kingdom. He was awarded a Wellcome Trust Clinical Scientist Fellowship in 1998 and subsequently the Chair of Reproductive Sciences at Imperial College London in 2004. More recently, he was appointed to the Chair of Reproductive Medicine at the same institution and he is an Honorary Consultant Obstetrician and Gynaecologist at Imperial College NHS Healthcare Trust. His research centres on the role of steroid hormone signalling in the human endometrium, especially in the context of prevalent reproductive disorders, such as recurrent pregnancy loss, endometriosis, and endometrial cancer.

09:00–10:00 CNS Hall 3

Chairs: K. Kalache (Germany); I. Timor-Tritsch (USA)

09:00 Live scan demonstration: 3D ultrasound of the fetal CNS (supported by Medison*)
K. Kalache (Germany)

09:20 Neurodevelopmental outcome of microcephaly and macrocephaly diagnosed during pregnancy OC10.01, OC10.02
S. Stoler-Poria; A. Schweiger; T. Lerman-Sagie; G. Malinger; D. Lev; Y. Biran-Gol; H. Cohen; D. Davidovitch (Israel)

09:30 Discussion

09:35 Placental histology related to antenatal brain sonography in fetuses at risk for preterm birth OC10.03
F. Rosier-van Dunné¹; G. van Wezel-Meijler¹; R. Kaschula²; P. Wranz²; H. Odendaal²; J. de Vries¹ (Netherlands); ²(South Africa)

09:40 Discussion

09:43 Distortion of the anterior part of the interhemispheric fissure. Significance and impact on prenatal diagnosis OC10.04
L. Guibaud; E. Quarello; M. Ferry; O. Picone; V. des Portes; P. Gaucherand (France)

09:48 Discussion

09:51 Intrauterine non-invasive measurement of intracerebral pressure in cases of intracerebral bleeding and dysgenesis OC10.05
M. Weigel; C. Eckmann-Scholz; W. Nikischin; W. Jonat; A. Strauss (Germany)

09:56 Discussion

09:00–10:00 Abnormal uterine bleeding: uterine and endometrial pathology Hall 4

Chairs: E. Epstein (Sweden); E. Ferrazzi (Italy)

09:00 Fluid installation sonography OC11.01, OC11.02, OC11.03
*T. Van den Bosch¹; J. Luts¹; T. Bourne^{2,1}; T. Bignardi³; G. Condous³; E. Epstein⁴; F. Leone⁵; A. Testa⁵; L. Valentin⁴; S. Van Huffel¹; D. Van Schoubroeck¹; D. Timmerman¹; E. Werbrouck¹; J. Veldman¹
¹(Belgium); ²(United Kingdom); ³(Australia); ⁴(Sweden); ⁵(Italy)*

09:15 Discussion

09:20 Three dimensional evaluation of adenomyosis: correlation of sonographic findings to histology OC11.04
C. Exacoustos; L. Brienza; A. Cillis; E. Bertonotti; A. Amadio; C. Amoroso; E. Zupi; D. Arduini (Italy)

09:25 Discussion

09:28 The natural history of fibroids OC11.05
D. Mavrellos; T. Holland; J. Yazbek; J. Ben-Nagi; D. Jurkovic (United Kingdom)

09:33 Discussion

09:36 The diagnostic accuracy of gel instillation sonohysterography (GIS) compared with saline infusion sonohysterography (SIS); a randomised controlled trial OC11.06
M. Emanuel; I. Tromp; M. Betlem (Netherlands)

09:41 Discussion

09:44 Endometrial thickness measurement with and without fluid contrast ultrasound OC11.07
J. Veldman; T. Van den Bosch; E. Werbrouck; D. Van Schoubroeck; D. Timmerman (Belgium)

09:49 Discussion

'All you ever wanted to know' sessions must be pre-booked; please see the registration desk for details.

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

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09:52	Magnetic resonance guided focused ultrasound compared to abdominal hysterectomy for treatment of uterine leiomyomas <i>F. Taran¹; L. Regan²; A. Revel³; E. Stewart¹</i> <i>¹(USA); ²(United Kingdom); ³(Israel)</i>	OC11.08
09:57	Discussion	

10:05–10:50 Chaired oral poster discussions

OP07: Fetal neurosonography: difficult anomalies	Hall B2
<i>Chairs: A. Abuhamad (USA); L. Guibaud (France)</i>	
OP08: First trimester scan	Hall C1
<i>Chairs: C. Bilardo (Netherlands); P. Calda (Czech Republic)</i>	
OP09: Fetal interventions I	Hall C2
<i>Chairs: Y. Ville (France); P. Bartmann (Germany)</i>	
OP10: Fetal growth from first trimester	Hall E
<i>Chairs: H. Blaas (Norway); W. Lee (USA)</i>	
OP11: Maternal and placental Doppler	Hall F
<i>Chairs: C. Brezinka (Austria); C. Lees (United Kingdom)</i>	
OP12: Reproductive medicine	Hall 4
<i>Chairs: K. Barnhart (USA); N. Raine-Fenning (United Kingdom)</i>	
OP13: Using ultrasound in urogynecology	Hall 4
<i>Chairs: A. Steensma (Netherlands); M. Konstantinovic (Belgium)</i>	

10:45–11:15 Coffee and poster viewing

11:15–12:30 Second trimester scan

Hall 3

Chairs: A. Geipel (Germany); B. Thilaganathan (United Kingdom)

11:15	Live scan demonstration: advanced fetal anatomy in the second trimester (supported by Toshiba Medical Systems*) <i>G. Pilu (Italy)</i>	
11:35	Prenatal counseling of fetal lymphangioma except nuchal lesion <i>D. Ju; H. Won; J. Shim; P. Lee; A. Kim (South Korea)</i>	OC12.01
11:40	Discussion	
11:43	Prenatal diagnosis of vascular-lymphatic malformations <i>E. Sinkovskaya; E. Barkley; S. Horton; A. Abuhamad (USA)</i>	OC12.02
11:48	Discussion	
11:51	Premature craniosynostoses are underdiagnosed and underestimated pathologies in obstetrical ultrasound: prenatal diagnosis and incidence of peripartal complications <i>H. Steiner; B. Weber; W. Oberaigner; H. Schwabegger (Austria)</i>	OC12.03
11:56	Discussion	
11:59	Zygomatic arch hypoplasia with 3D ultrasound: a clue for the diagnosis of fetal Treacher-Collins syndrome <i>J. Bault; S. Chagnaud; P. Bouhanna; L. Loeuillet; J. Bernard; P. Boukobza; M. Molho; J. Roume (France)</i>	OC12.04
12:04	Discussion	
12:07	Foetal esophagus scans screening: what about the distance between trachea and aorta versus the pouch sign? <i>J. Develay-Morice; N. Frandji-Barbier; M. Duyme; G. Ratha; G. Haddad; P. Marès (France)</i>	OC12.05
12:12	Discussion	
12:15	Perinatal outcomes of fetal echogenic lung lesions: an Australian perspective <i>F. Costa; H. Karaganov; H. Tran; A. Sampson; J. Cramer; A. Fink; R. Palma-Dias (Australia)</i>	OC12.06
12:20	Discussion	
12:23	Hyperechogenic fetal bowel: prenatal findings and outcome in 208 cases <i>L. Masini; S. Ciotti; L. Casarella; M. De Santis; E. Cesari; C. Pintus; C. Manzoni; A. Caruso (Italy)</i>	OC12.07
12:28	Discussion	

11:15–12:40 The assessment of endometriosis and adenomyosis

Hall 4

Chairs: G. Condous (Australia); L. Savelli (Italy)

11:15	Ultrasound features of ovarian endometriosis <i>C. Van Holsbeke (Belgium)</i>	
11:30	Using ultrasound to characterise endometriomas <i>S. Guerriero (Italy)</i>	
11:45	The value of transvaginal ultrasound in assessing the severity of pelvic endometriosis <i>T. Holland; J. Yazbek; W. Hoo; D. Mavrelis; D. Jurkovic (United Kingdom)</i>	OC13.01
11:50	Discussion	



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Program – Tuesday 15 September 2009

11:53	Ultrasound in the detection of rectal- and distal sigmoid involvement of deep endometriosis <i>D. Van Schoubroeck; C. Meuleman; T. Van den Bosch; D. Timmerman (Belgium)</i>	OC13.02
11:58	Discussion	
12:01	Deep infiltrating endometriosis: sonovaginography of nuclear magnetic resonance? <i>E. Cosmi; S. Dessole; C. Saccardi; A. Tregnaghi; P. Litta (Italy)</i>	OC13.03
12:06	Discussion	
12:09	Magnetic resonance imaging and transvaginal modified ultrasonography in the diagnosis of rectosigmoid endometriosis <i>S. Guerriero; L. Saba; S. Ajossa; M. Pilloni; R. Sulcis; C. Politi; G. Mallarini; G. Melis (Italy)</i>	OC13.04
12:14	Discussion	
12:17	Assessment of cyst content by using mean grey value for discriminating ovarian endometrioma from other unilocular cysts in premenopausal women <i>J. Alcazar¹; M. León²; S. Guerriero³</i> <i>¹(Spain); ²(Chile); ³(Italy)</i>	OC13.05
12:22	Discussion	
12:25	Transvaginal sonography and double-contrast barium enema in the diagnosis of intestinal deeply infiltrating endometriosis <i>L. Savelli; L. Manuzzi; P. Pollastri; M. Mabrouk; R. Seracchioli; S. Venturoli (Italy)</i>	OC13.06
12:30	Discussion	
12:33	Long-term outcomes of ultrasound-guided treatment of the complicated forms of pelvic inflammatory diseases of women <i>T. Makukhina; A. Pomortsev; I. Knyazev; O. Dyachenko; E. Gladchenko (Russia)</i>	OC13.07
12:38	Discussion	

12:30–14:00 Lunch and poster viewing

12:30–14:00 Poster discussions

P07: Maternal fetal Doppler	Hall B2
P08: Obstetric management	Hall C1
P09: Novel imaging applications	Hall C2
P10: Novel imaging applications and MRI	Hall C2
P11: Fetal aneuploidy screening	Hall E
P12: Aneuploidy and other fetal anomalies in the second and third trimesters	Hall F
P13: Reproductive medicine	Hall 4
P14: Using ultrasound in urogynecology	Hall 4

12:45–13:45 Siemens AG satellite symposium** Hall 3

Importance of precise neuro-anatomical landmarks for sonographic examinations of the fetal brain
L. Guibaud (France)

Functional assessment of the fetal heart with vector velocity imaging (VVI)
J. Steinhard (Germany)

14:00–15:15 New technology and imaging Hall 3

	<i>Chairs: D. Prayer (Austria); S. Yagel (Israel)</i>	
14:00	3D power Doppler angiography of abnormal placenta <i>I. Timor-Tritsch (USA)</i>	
14:10	Is there a role for magnetic resonance in addition to ultrasound in the prenatal diagnosis of fetal anomalies? <i>S. Gabrielli; M. Piva; A. Carletti; G. Tani; L. Miglio; A. Perolo; T. Ghi; N. Rizzo; G. Pilu (Italy)</i>	OC14.01
14:15	Discussion	
14:18	Three dimensional imaging of fetal skeletal dysplasia: comparison of 2D, 3D ultrasound and helical computed tomography <i>M. Senat; M. Mabile; F. Fuchs; R. Frydman; J. Levallant (France)</i>	OC14.02
14:23	Discussion	
14:26	BOLD MRI in fetal sheep: ductus venosus shunting during hypoxia <i>A. Sørensen; M. Pedersen; A. Tietze; L. Ottosen; L. Duus; N. Uldbjerg (Denmark)</i>	OC14.03
14:31	Discussion	
14:34	Noninvasive fetal lung assessment using diffusion weighted imaging <i>W. Lee; A. Krisko; A. Shetty; L. Yeo; S. Hassan; F. Gotsch; S. Mody; L. Goncalves; R. Romero (USA)</i>	OC14.04
14:39	Discussion	
14:42	Fetal cardiac MR imaging with cardiac triggering in the sheep fetus: preliminary results <i>U. Wedegärtner; J. Yamamura; M. Frisch; G. Adam; W. Diehl; K. Hecher (Germany)</i>	OC14.05
14:47	Discussion	
14:50	Femur length measurements are influenced by beam width <i>I. Økland; T. Bjåstad; T. Johansen; H. Gjessing; P. Grøttum; S. Eik-Nes (Norway)</i>	OC14.06

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14:55	Discussion	
14:58	Maternal obesity is a potential source of error in mid-trimester ultrasound estimation of gestational age <i>M. Simic; I. Amer-Wählin; K. Maršál; K. Källen (Sweden)</i>	OC14.07
15:03	Discussion	
15:06	Virtual embryoscopy for detection of structural congenital abnormalities <i>N. Exalto; A. Koning; C. Verwoerd-Dikkeboom; M. Rousian; R. Galjaard; P. Van der Spek; E. Steegers (Netherlands)</i>	OC14.08
15:11	Discussion	

15:15–16:00 Chaired oral poster discussions Hall B2

OP14: First trimester uteroplacental hemodynamics <i>Chairs: A. Papageorghiou (United Kingdom); A. Baschat (USA)</i>	Hall B2
OP15: Obstetric management (maternal circulation, Cesarean scars) <i>Chairs: I. Timor-Tritsch (USA); A. Ngu (Australia)</i>	Hall C1
OP16: New developments in imaging <i>Chairs: L. Salomon (France); E. Merz (Germany)</i>	Hall C2
OP17: Fetal heart <i>Chairs: H. Gardiner (United Kingdom); J. Copel (USA)</i>	Hall E
OP18: Multiple pregnancy I <i>Chairs: K. Hecher (Germany); W. Sepulveda (Chile)</i>	Hall F

16:00–16:30 Coffee and poster viewing

14:00–15:30 Reproductive medicine: baseline fertility scanning and PCO Hall 4

	<i>Chairs: S. Campbell (United Kingdom); M. Momtaz (Egypt)</i>	
14:00	Non hormonal targets for diagnosis and treatment of endometriosis <i>T. D'Hooghe (Belgium)</i>	
14:20	How do fibroids and polyps influence implantation? <i>N. Raine-Fenning (United Kingdom)</i>	
14:35	'The fertility scan' and examining the follicle with 3D ultrasound <i>S. Campbell (United Kingdom)</i>	
14:55	The predictive value of the number and size of small antral follicles following assisted reproduction treatment <i>S. Deb; M. Batcha; B. Campbell; K. Jayaprakasan; J. Clewes; J. Hopkisson; C. Sjoblom; N. Raine-Fenning (United Kingdom)</i>	OC15.01
15:00	Discussion	
15:03	3D sonohysterography versus 3D ultrasound examination of the coronal plane of the uterus in infertile women with suspected uterine cavity lesions or anomalies <i>M. Momtaz; A. Ebrashy; M. Aboulghar; A. El-Sheikhah; A. Al Kateb; M. Sherif (Egypt)</i>	OC15.02
15:08	Discussion	
15:11	Three dimensional sonographic assessment of septate uterus: correlation between morphology, volume and vascularity of the septum and reproductive outcome <i>C. Exacoustos; E. Vaquero; V. Romero; M. Vendola; F. Baiocco; E. Valli; A. Di Giovanni; D. Arduini (Italy)</i>	OC15.03
15:16	Discussion	
15:19	Accuracy of three-dimensional contrast hysterosonography in diagnosis and classification of uterine congenital anomalies <i>E. Faivre; H. Fernandez; X. Deffieux; A. Gervaise; J. Levallant (France)</i>	OC15.04
15:24	Discussion	

15:30–16:00 Coffee and poster viewing

16:30–17:45 3D/4D imaging Hall 3

	<i>Chairs: L. Platt (USA); A. Kratochwil (Austria)</i>	
16:30	3D ultrasound of embryonic malformation <i>H. Blaas (Norway)</i>	
16:40	Live scan demonstration: 3D/4D and STIC examination of the fetal heart (supported by GE Healthcare*) <i>R. Chaoui (Germany)</i>	
17:00	Correlation between second trimester 3D-placental volumetry and vascularization, cytokines in the amniotic fluid and fetal weight at birth <i>B. Meurer^{1,2}; M. Reis²; N. Hart²; J. Siemer²; M. Schmid²; E. Struwe²; J. Dötsch²; R. Schild² (Switzerland); ²(Germany)</i>	OC16.01
17:05	Discussion	
17:08	Quantifying placental vascularity: evaluating the reliability of 3D power Doppler data acquisition and image analysis of the whole placenta in the first and second trimester <i>N. Jones; H. Mousa; N. Raine-Fenning; E. Bradley; G. Bugg (United Kingdom)</i>	OC16.02, OC16.03, OC16.04

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

Program – Tuesday 15 September 2009

17:16	Discussion	
17:19	Evaluation of first trimester growth and development with virtual embryoscopy <i>M. Rousian; R. van Oppenraaij; A. Koning; W. Hop; C. Verwoerd-Dikkeboom; P. Van der Spek; N. Exalto; E. Steegers (Netherlands)</i>	OC16.05, OC16.06, OC16.07
17:27	Discussion	
17:30	Correlation of fetal renal volume by 3D-sonography and bidimensional biometric parameters <i>G. Tedesco; I. Britto; L. Bussamra; S. Herbst; E. Araujo; A. Moron; T. Aoki (Brazil)</i>	OC16.08, OC16.09
17:35	Discussion	
17:38	Reliability study of bladder volume measurement with 3D VOCAL <i>M. Yamamoto; A. Carvajal; P. Morales; J. Carrillo; D. Pedraza; H. Muñoz; M. Polanco; A. Hernandez; J. Valdivia; A. Insunza; J. Astudillo (Chile)</i>	OC16.10
17:43	Discussion	

16:00–17:30 Reproductive medicine: ultrasound and assisted reproduction Hall 4

	<i>Chairs: T. D'Hooghe (Belgium); S. Goldstein (USA)</i>	
16:00	Risks and complications of treatment with assisted reproductive technology <i>T. D'Hooghe; V. Vloeberghs (Belgium)</i>	
16:20	How early pregnancy events can predict adverse obstetric outcome <i>N. Exalto (Netherlands)</i>	
16:40	Optimising the timing of oocyte maturation and egg collection during controlled ovarian stimulation with ultrasound <i>N. Raine-Fenning (United Kingdom)</i>	
17:00	Establishing new standards for monitoring controlled ovarian stimulation using 3D-transvaginal ultrasound plus automated volume count (SonoAVC) <i>M. Murtinger; A. Aburumieh; V. Eichel; P. Rubner; M. Zech; N. Zech (Austria)</i>	OC17.01
17:05	Discussion	
17:08	Quantitative analysis of number and size of antral follicles: a comparison of real-time two-dimensional and automated three-dimensional ultrasound <i>S. Deb; B. Campbell; J. Clewes; N. Porter; B. Winter; N. Raine-Fenning (United Kingdom)</i>	OC17.02
17:13	Discussion	
17:16	3D/4D ultrasound-guided embryo transfer using the maximal implantation potential (MIP) point <i>R. Gergely (USA)</i>	OC17.03
17:21	Discussion	
17:24	Correlation of antral follicle cohorts of different sizes with anti-Müllerian hormone and other endocrine markers of ovarian reserve <i>K. Jayaprakasan; S. Deb; M. Batcha; I. Johnson; B. Campbell; N. Raine-Fenning (United Kingdom)</i>	OC17.04
17:29	Discussion	

Posters – Tuesday 15 September 2009

Oral poster presentations

Chaired oral poster sessions 10:05–10:50

Viewing available all week on poster pods

OP07: Fetal neurosonography: difficult anomalies

Chairs: A. Abuhamad (USA); L. Guibaud (France)

Clinical significance of isolated posterior fossa anomalies: Dandy-Walker variant, megacisterna magna and Blake's pouch cyst
T. Higuera Sanz (Spain)

Fetal spina bifida – prenatal course and outcome in 103 cases

F. Amari (Germany)

"Isolated" Dandy-Walker malformation on prenatal imaging: look for subtelomeric deletion and post-natal hydrocephalus

L. Guibaud (France)

Does normal brain imaging predict normal neurodevelopmental outcome in fetuses with proven cytomegalovirus infection?

G. Malinger (Israel)

Agenesis of corpus callosum: sonographic findings, associated anomalies and pregnancy outcome. A survey of 43 cases

M. Albig (Germany)

Absent cavum: not just agenesis of the corpus callosum!

A. Kennedy (USA)

Absent septum pellucidum. Associated anomalies and clinical findings in 10 cases

M. Albig (Germany)

Fetal asymmetric ventriculomegaly, corpus callosal malformation and interhemispheric cyst: an imaging triad

R. Sohaey (USA)

Outcome of ventriculomegaly identified in utero

M. Manoharan (United Kingdom)

Abstract number

Hall B2

OP07.01

OP07.02

OP07.03

OP07.04

OP07.06

OP07.07

OP07.08

OP07.09

OP07.10

OP08: First trimester scan

Chairs: C. Bilardo (Netherlands); P. Calda (Czech Republic)

Fetal growth restriction in fetuses with chromosomal anomalies in the first trimester

M. Hynek (Czech Republic)

Crown-rump length in genetically abnormal pregnancies compared to a CRL curve for normal pregnancies

A. Pexsters (Belgium)

Chromosomal anomalies spectrum in missed miscarriages in relation to embryo appearance

M. Arigita (Spain)

Increased risk of cleft lip / palate in case of enlarged NT

E. Timmerman (Netherlands)

Modified myocardial performance Index at 11–14 weeks in chromosomally and structurally normal fetuses with normal and increased nuchal translucency

M. Bennasar (Spain)

Umbilical vein anomaly in fetuses with Down syndrome

R. Achiron (Israel)

Predicting the risk of placental dysfunction syndromes by combining maternal characteristics and first-trimester aneuploidy screening variables

A. Odibo (USA)

Maternal serum placental protein 13 (PP13) testing to predict pre-eclampsia among first trimester high risk patients

N. Cowans (United Kingdom)

Concurrent and contingency strategies using first trimester markers for the prediction of pre-eclampsia in women with a priori high risk

A. Khalil (United Kingdom)

First trimester relationships of multiple analytes of placental development

A. Baschat (USA)

Clinical outcome of chromosomally normal fetuses with increased nuchal thickness at 11 to 13+6 scan, a large prospective case series

T. Higuera Sanz (Spain)

Hall C1

OP08.01

OP08.02

OP08.03

OP08.04

OP08.05

OP08.06

OP08.07

OP08.08

OP08.09

OP08.10

OP08.11

OP09: Fetal interventions I

Chairs: Y. Ville (France); P. Bartmann (Germany)

Pregnancies with fetal and neonatal alloimmunization thrombocytopenia (FNAIT) in HPA-1 system: towards a less invasive management

N. Winer (France)

QF-PCR in the prenatal diagnosis of chromosomal defects

L. Rosignoli (Italy)

NT-proBNP concentrations and MCA velocimetry in fetuses severely affected by fetomaternal isoimmunisation – preliminary report

R. Bartkowiak (Poland)

Fetal anemia of unknown cause – a challenge for the prenatal diagnostician

C. Amman (Germany)

Radiofrequency ablation for selective reduction in complex monochorionic pregnancies

G. Paramasivam (United Kingdom)

Hall C2

OP09.01

OP09.02

OP09.03

OP09.04

OP09.05

Posters – Tuesday 15 September 2009

Abstract number

Late terminations of pregnancy – indications for fetocide in a multi ethnic population in the UK <i>O. Navti (United Kingdom)</i>	OP09.06
TTTS1 protocol: a cluster randomized controlled trial comparing a conservative management and primary laser surgery in stage 1 TTTS <i>J. Stirnemann (France)</i>	OP09.07
Rate of amniorrhexis is not affected by fetoscopic access cannula diameter <i>J. Deprest (Belgium)</i>	OP09.08
Total randomized controlled trial for moderate pulmonary hypoplasia due to congenital diaphragmatic hernia (CDH) <i>J. Deprest (Belgium)</i>	OP09.09
Flow of patients with isolated congenital diaphragmatic hernia following referral to a fetal surgery unit <i>J. Deprest (Belgium)</i>	OP09.10
Maternal hyperoxygenation test in fetuses treated prenatally for severe isolated congenital diaphragmatic hernia <i>E. Done (Belgium)</i>	OP09.11

OP10: Fetal growth from first trimester

Hall E

<i>Chairs: H. Blaas (Norway); W. Lee (USA)</i>	
The influence of maternal demographic features on fetal size in the first trimester <i>C. Bottomley (United Kingdom)</i>	OP10.01
The influence of body mass index on first trimester fetal growth <i>I. Sarris (United Kingdom)</i>	OP10.02
Gestational SAC biometry in the first trimester: early expression of neonatal biometry? <i>L. Salomon (France)</i>	OP10.03
Correlation between embryo and placental volume from 7 to 10 weeks of pregnancy <i>P. Nowak (Brazil)</i>	OP10.04
Relationship between fetal crown-rump length and volume from 11+0 to 13+6 weeks of gestation by 3D XI VOCAL ultrasonography <i>H. Kwon (South Korea)</i>	OP10.05
First trimester 3D-placental volumetry is a good predictor of both low and high birth weight <i>B. Meurer (Switzerland)</i>	OP10.06
Does fetal growth depend on the duration of in vitro cultivation in IVF/ICSI pregnancies? <i>S. Hottnner (Germany)</i>	OP10.07
New random access assay for quantitative measurement of free PIGF from maternal serum within the first trimester <i>J. Vaarno (Finland)</i>	OP10.08
The relationship between fetal growth in the first trimester, PAPP-A and birthweight percentiles <i>O. Habayeb (United Kingdom)</i>	OP10.09

OP11: Maternal and placental Doppler

Hall F

<i>Chairs: C. Lees (United Kingdom); C. Brezinka (Austria)</i>	
The role of uterine artery Doppler velocimetry in predicting adverse pregnancy outcome <i>A. Jamal (Iran)</i>	OP11.01
Do maternal cardiac abnormalities predispose to high resistance uterine artery Doppler indices? <i>K. Melchiorre (United Kingdom)</i>	OP11.02
Prediction of preeclampsia by second trimester serum screening and uterine artery Doppler velocimetry <i>G. Son (South Korea)</i>	OP11.03
Cardiovascular adaptation to pregnancy in non treated mild chronic hypertension at 24 weeks' gestation <i>B. Vasapollo (Italy)</i>	OP11.04
Increased uterine arteries resistance after 34 weeks and pregnancy outcome <i>E. Contro (Italy)</i>	OP11.05
Evaluation of Doppler ultrasound in fetoplacental perfusion at term in low risk pregnancies to predict perinatal outcome <i>C. Bamberg (Germany)</i>	OP11.06
Evaluation of placental blood flow indices measured by 3D power Doppler in fetal growth restriction <i>K. Ichizuka (Japan)</i>	OP11.07
Assessment of regional placental vascularity / perfusion using 3D power Doppler and the index "fractional moving blood volume" <i>A. Welsh (Australia)</i>	OP11.08
The influence of placental perfusion on birthweight in diabetic pregnancies <i>R. Quintero (Spain)</i>	OP11.09
Maternal and fetal hemodynamic effects of nifedipine in normotensive pregnant women <i>J. Cornette (Netherlands)</i>	OP11.10
Effects of epidural analgesia on uterine artery Doppler in labour <i>N. Fratelli (Italy)</i>	OP11.11
Uterine artery Doppler to evaluate the effect of combined spinal and epidural analgesia (CSEA) during labor <i>M. Parra-Cordero (Chile)</i>	OP11.12

Posters – Tuesday 15 September 2009

	Abstract number
OP12: Reproductive medicine	Hall 4
<i>Chairs: K. Barnhart (USA); N. Raine-Fenning (United Kingdom)</i>	
Cyclical changes in myometrial vascularity: subjective and 3D power Doppler observations and implications in gynecologic decision making in a population wanting to conceive <i>A. Khurana (India)</i>	OP12.01
3D Aquascan a reliable screening method for uterine cavity assessment in egg recipients <i>S. Tse (United Kingdom)</i>	OP12.02
Comparison of effects of letrozole and clomiphene citrate for ovulation induction in women with polycystic ovary syndrome <i>N. Lorzadeh (Iran)</i>	OP12.03
Quantifying the effect of the combined oral contraceptive pill on the ultrasonographic and endocrine markers of ovarian reserve <i>S. Deb (United Kingdom)</i>	OP12.04
A comparison between air and saline hystero-salpingo contrast sonography (HyCoSy), hysterosalpingography and diagnostic laparoscopy with chromopertubation in the assessment of tubal patency for the investigation of infertility <i>D. Socolov (Romania)</i>	OP12.05
Evaluation and validation of 3D ultrasound examination classification for assessing tubal sterilization micro insert position <i>E. Faivre (France)</i>	OP12.06
Feasibility of automated sonographic tubal patency evaluation using three-dimensional coded contrast imaging <i>C. Exacoustos (Italy)</i>	OP12.07
Interobserver agreement of transvaginal ultrasonography and gel instillation sonohysterography (GIS) during follow-up of successful bilateral placement of Essure® microinserts <i>M. Emanuel (Netherlands)</i>	OP12.08
OP13: Using ultrasound in urogynecology	Hall 4
<i>Chairs: A. Steensma (Netherlands); M. Konstantinovic (Belgium)</i>	
Transperineal three-dimensional ultrasound assessments of anterior intravaginal slingplasty (IVS) for the treatment of stress urinary incontinence. A three year follow up <i>A. Smolin (Israel)</i>	OP13.01
Are overactive bladder symptoms better objectively measured using mean bladder wall thickness? <i>D. Panayi (United Kingdom)</i>	OP13.02
Transanal 4D/3D sonography combining inspection of the squeeze mechanism and integrity of the anal sphincter – a pilot study <i>A. Örnö (Sweden)</i>	OP13.03
Is ultrasound estimation of bladder weight a useful diagnostic tool? <i>D. Panayi (United Kingdom)</i>	OP13.04
Ultrasound measurement of vaginal wall thickness is a novel and reliable technique <i>D. Panayi (United Kingdom)</i>	OP13.05
Intrapartum changes of levator ani complex. A transperineal three dimensional ultrasound study <i>A. Smolin (Israel)</i>	OP13.06
Chaired oral poster sessions 15:15–16:00	
Viewing available all week on poster pods	
	Abstract number
OP14: First trimester uteroplacental hemodynamics	Hall B2
<i>Chairs: A. Papageorghiou (United Kingdom); A. Baschat (USA)</i>	
Combination of uterine artery Doppler and mean arterial pressure at first trimester in the prediction of preeclampsia <i>R. Mula (Spain)</i>	OP14.01
Uterine artery Doppler during the first and second trimester as screening for early-onset preeclampsia <i>M. Parra-Cordero (Chile)</i>	OP14.02
Longitudinal study of maternal insulin-like growth factor-I and uterine artery Doppler <i>F. Prefumo (Italy)</i>	OP14.03
Influence of parity on uterine artery Doppler at first trimester of pregnancy <i>T. Arcangeli (Italy)</i>	OP14.04
A link between an anti-angiogenic state in the first trimester and abnormal uterine artery Doppler in the midtrimester <i>T. Chaiworapongsa (USA)</i>	OP14.05
Late-onset preeclampsia cannot be identified with either an anti-angiogenic profile in maternal plasma or uterine artery Doppler velocimetry <i>T. Chaiworapongsa (USA)</i>	OP14.06
Uterine artery Doppler and sFlt1 / PIGF ratio as useful tools to predict severe complications after the diagnosis of preeclampsia is confirmed <i>I. Herraiz (Spain)</i>	OP14.07
First trimester screening for fetal growth restriction using Doppler and PAPP-A <i>A. Baschat (USA)</i>	OP14.08
First trimester 3-dimensional power Doppler of the uteroplacental space: a potential screening method for severe preeclampsia <i>J. Gebb (USA)</i>	OP14.09

Posters – Tuesday 15 September 2009

	Abstract number
Influence of low-dose aspirin in the uterine artery Doppler changes during the second wave period and implications for the prediction of preeclampsia <i>L. Herraiz (Spain)</i>	OP14.10
Bilateral uterine artery notching in the first trimester is associated with a small risk for IUGR among patients treated with low dose aspirin <i>R. Benoit (USA)</i>	OP14.11
Maternal cardiac assessment using tissue Doppler imaging demonstrates a specific temporal and spatial pattern of systolic functional changes in normal pregnancy <i>K. Melchiorre (United Kingdom)</i>	OP14.12
OP15: Obstetric management (maternal circulation, Cesarean scars)	Hall C1
<i>Chairs: I. Timor-Tritsch (USA); A. Ngu (Australia)</i>	
Association between first- and second-trimester serum screening markers and pregnancy outcomes <i>M. Kim (South Korea)</i>	OP15.01
Maternal haemodynamic changes and heart remodelling in pregnancies complicated by preterm pre-eclampsia <i>K. Melchiorre (United Kingdom)</i>	OP15.02
Depressed maternal cardiac longitudinal systolic function in pregnancies complicated by early-onset severe pre-eclampsia <i>K. Melchiorre (United Kingdom)</i>	OP15.03
Abnormal maternal cardiac diastolic function in pregnancies complicated by early-onset severe pre-eclampsia <i>K. Melchiorre (United Kingdom)</i>	OP15.04
Maternal systemic and utero-placental circulations in the second half of pregnancy: a longitudinal study <i>K. Flo (Norway)</i>	OP15.05
Ultrasound prediction of uterine scar dehiscence during pregnancy in patients with a previous C-section <i>F. Quijano (Colombia)</i>	OP15.06
Uterine scar after cesarean section – modern diagnostic approaches <i>N. Pavlova (Russia)</i>	OP15.07
Comparison between transvaginal and abdominal sonography of lower uterine segment thickness near term <i>N. Brassard (Canada)</i>	OP15.08
A standardized method of LUS measurement in late pregnancy <i>N. Brassard (Canada)</i>	OP15.09
Outcomes of second-trimester pregnancy terminations in prior Cesarean section: comparing of two regimens <i>A. Gedikbasi (Turkey)</i>	OP15.10
OP16: New developments in imaging	Hall C2
<i>Chairs: L. Salomon (France); E. Merz (Germany)</i>	
Volume slice – a new diagnostic imaging tool in prenatal ultrasound <i>C. Bamberg (Germany)</i>	OP16.01
The reproducibility of the XI VOCAL™ three-dimensional sonographic volumetry in the measurement of irregular-shape objects <i>M. Vizer (Hungary)</i>	OP16.02
Virtual delivery with MRI <i>O. Ami (France)</i>	OP16.03
An investigation of the relationship between MRI and ultrasound derived measurements of fetal head descent <i>C. Bamberg (Germany)</i>	OP16.04
Correlation of magnetic resonance imaging with antenatal ultrasound findings in the evaluation of fetal thoracic abnormalities <i>M. Reeves (United Kingdom)</i>	OP16.05
The examination of the fetal soft palate on a stored 3D ultrasound volume of the fetal face <i>H. Wong (Australia)</i>	OP16.06
Antenatal skeletal evaluation – the use of low dose CT in the diagnosis of skeletal dysplasia <i>T. Victoria (USA)</i>	OP16.07
Magnetic resonance image of the fetal central nervous system, pre and postnatal correlation, dates from a prospective cohort study <i>E. Vazquez Mendez (Spain)</i>	OP16.08
Lateral ventricle volumetry by tridimensional sonography (VOCAL™ and XI-VOCAL™) and magnetic resonance imaging (MRI) in fetuses with ventriculomegaly <i>K. Haratz (Brazil)</i>	OP16.09
Measurement of neonatal cochlear function following exposure to magnetic resonance imaging in utero <i>M. Reeves (United Kingdom)</i>	OP16.10
Ultrasound transducer disinfection – an examination of cleaning and disinfection practices for surface and intracavity transducers <i>R. Weinberger (Australia)</i>	OP16.11
OP17: Fetal heart	Hall C2
<i>Chairs: H. Gardiner (United Kingdom); J. Copel (USA)</i>	
Complex of Fallot is a more appropriate name for tetralogy of Fallot? <i>F. Guerra (Chile)</i>	OP17.01

Posters – Tuesday 15 September 2009

	Abstract number
The ‘?’ sign: a new ultrasonographic marker of tetralogy of Fallot <i>J. Martinez (Spain)</i>	OP17.02
Prenatal echocardiographic predictors of tetralogy of Fallot (TOF) and postnatal outcome <i>S. Baek (South Korea)</i>	OP17.03
Tetralogy of Fallot in the fetus: improving diagnostic criteria <i>E. di Vera (United Kingdom)</i>	OP17.04
Double outlet right ventricle: prognostic difficulties and outcome <i>T. Stampalija (United Kingdom)</i>	OP17.05
Antenatally diagnosed fetal heart abnormalities with a two ventricle repair <i>D. Roberts (United Kingdom)</i>	OP17.06
Prenatal diagnosis of right aortic arch: associated defects, pregnancy outcome and clinical significance of vascular rings <i>O. Nieto (Spain)</i>	OP17.07
Prenatal diagnosis and outcome of isolated vascular rings <i>V. De Robertis (Italy)</i>	OP17.08
125 single examiner cases of ARSA – additional malformations and chromosomal abnormalities <i>M. Entezami (Germany)</i>	OP17.09
Prognostic value of prenatal diagnosis of conotruncal anomalies <i>S. Boito (Italy)</i>	OP17.10

OP18: Multiple pregnancy I

	Hall F
Chairs: <i>K. Hecher (Germany); W. Sepulveda (Chile)</i>	
Early fetal biometry predictors of twin growth discordance at birth <i>R. Quintero (Spain)</i>	OP18.01
Do differences in crown rump length and nuchal translucency measured in the first trimester help to predict the outcomes of twin pregnancies? <i>A. Sau (United Kingdom)</i>	OP18.02
Nuchal translucency thickness discordance for prediction of severe twin-to-twin transfusion syndrome <i>N. Fratelli (Italy)</i>	OP18.03
The characterization of ultrasound examination to predict twin one fetal demise in monochorionic diamniotic twin pregnancies <i>A. Anami (Japan)</i>	OP18.04
Perinatal outcome of monochorionic twin pregnancies complicated by amniotic fluid discordance without twin-twin transfusion syndrome <i>S. Hayashi (Japan)</i>	OP18.05
The twin anemia polycythemia sequence from a prenatal perspective <i>J. Deprest (Belgium)</i>	OP18.06
Characteristic discordance of umbilical vein flow (UVF) in twin-to-twin transfusion syndrome (TTTS) is absent in normal twins <i>M. Yamamoto (Chile)</i>	OP18.07
Prediction of fetal outcome following laser therapy for twin-twin transfusion syndrome by pre and post-operative Doppler changes of umbilical artery <i>M. Nakata (Japan)</i>	OP18.08
Cardiovascular changes in the donor twin after laser photocoagulation therapy for twin-twin transfusion syndrome (TTTS) <i>M. Bebbington (USA)</i>	OP18.09
Is CHOP score predictive of the outcome of twin-to-twin transfusion syndrome? <i>B. Nasr (France)</i>	OP18.10
Assessment of the ductus venosus in TTTS before laser therapy <i>B. Nasr (France)</i>	OP18.11

Posters (view only)

Poster discussion 12:30–14:00

Viewing available all week on poster pods

	Abstract number
P07: Maternal fetal Doppler	Hall B2
Intraobserver and interobserver variability of transabdominal Doppler velocimetry measurements of the ductus venosus in the first trimester <i>Y. Jimenez (Spain)</i>	P07.01
Reliability analysis on ductus venosus Doppler flow measurements in the first trimester transvaginally <i>Y. Jimenez (Spain)</i>	P07.02
Monochorionic twin gestation with iARED causing very transient pathologic nuchal translucency thickness (7mm) <i>I. Tamarit (Spain)</i>	P07.03
Three-dimensional power Doppler angiography and Doppler pulse indices assessment of placental vascularization in patients with delayed miscarriages <i>S. Tamarit (Spain)</i>	P07.04
Placental vascularization by three-dimensional power Doppler at 7 to 10 weeks of pregnancy <i>P. Nowak (Brazil)</i>	P07.05

Posters – Tuesday 15 September 2009

	Abstract number
The relationships between body mass index and first trimester placental volume and vascularization <i>V. Melero Jimenez (Spain)</i>	P07.06
Placental abruption diagnosed by measurement of flow in the Hyrtl anastomosis <i>B. Messing (Israel)</i>	P07.07
The effect of aspirin in prevention of preeclampsia and its complications in women with abnormal uterine artery Doppler ultrasound <i>E. Mesdaghinia (Iran)</i>	P07.08
Prenatal features of an uncommon specific mitochondrial cytopathy – the Pearson syndrome <i>I. Gussi (Romania)</i>	P07.09
Three-dimensional power Doppler ultrasound and virtual organ computer-aided AnaLysis (VOCAL) of large placental chorioangioma <i>D. Prete (Brazil)</i>	P07.10
Assessment of placental blood flow in women between 22 and 34 weeks of pregnancy, through vascular indicators generated by 3D power Doppler <i>L. Bussamra (Brazil)</i>	P07.11
Uterine artery doppler – the sampling point is critical <i>M. Entezami (Germany)</i>	P07.12
Intrauterine growth restriction: correlation between perinatal outcome and Doppler study of middle cerebral artery <i>L. Almeida Toledano (Spain)</i>	P07.13
Predictive value of Doppler assessment for the fetal umbilical and cerebral hemodynamic response in anemic pregnancies <i>E. Ancuta (Romania)</i>	P07.14
Doppler ultrasonography of eyeballs and orbits blood vessels in fetus – diagnostic possibilities (preliminary report) <i>M. Pietryga (Poland)</i>	P07.15
P08: Obstetric management	Hall C1
Conservative management of cervical scar pregnancies with serial 3D power Doppler assay of vascularization after transvaginal US guided injection of methotrexate <i>I. Timor-Tritsch (USA)</i>	P08.01
The role of ultrasound in prenatal diagnosis of the pathological invasion of placenta into the myometrium <i>M. Kotori (Albania)</i>	P08.02
Successful management of prenatally diagnosed placenta increta implanted at Cesarean scar site; partial uterine excision during Cesarean delivery <i>H. Ahn (South Korea)</i>	P08.03
Ultrasound follow-up of patients treated with menses solution for placental accreta <i>F. Quijano (Colombia)</i>	P08.04
Cervical length as an outcome predictor in placenta previa <i>M. Busquets (Spain)</i>	P08.05
Vaginal birth after previous Cesarean section, uterine rupture: a case report <i>K. Koterova (Czech Republic)</i>	P08.06
Severe massive postpartum bleeding in a high-grade perinatal center of emergency and general hospital <i>T. Hoshino (Japan)</i>	P08.07
Prediction of pulmonary function in preterm births by Doppler blood flow <i>E. Jung (South Korea)</i>	P08.08
Risk factors for the development of histologic chorioamnionitis after preterm premature rupture of membranes: sonographic cervical length, intra-amniotic infection at presentation and prolonged latency <i>K. Park (South Korea)</i>	P08.09
Study of the third stage of labour by ultrasonography <i>A. Hassanen (Egypt)</i>	P08.11
P09: Novel imaging applications	Hall C2
Comparison of inter- and intraobserver agreement between three different types of placental volume measurement techniques (XI VOCAL™, VOCAL™, and multiplanar) <i>T. Li (China)</i>	P09.01
Sonographic chorioamniotic membrane thickness throughout gestation in three different sites: chorionic plate, uterine free wall, and cervix <i>L. Yeo (USA)</i>	P09.02
Comparison of placental volume in early pregnancy using multiplanar, VOCAL and XI VOCAL methods <i>P. Nowak (Brazil)</i>	P09.03
The influence of placental location according to the pulse repetition frequency used on first trimester three dimensional placental vascular indices <i>V. Melero Jimenez (Spain)</i>	P09.04
Morbidly adherent placenta praevia – multidisciplinary approach for better outcome <i>H. Samarage (United Kingdom)</i>	P09.05
First-trimester umbilical cord and vitelline duct measurements using virtual reality <i>M. Rousian (Netherlands)</i>	P09.06
Imaging spectrum of uterine dehiscence and rupture <i>A. Kennedy (USA)</i>	P09.07

Posters – Tuesday 15 September 2009

	Abstract number
Assessment of uterine scar from previous Cesarean section through grey scale histogram <i>L. Nardozza (Brazil)</i>	P09.08
Retroperitoneal schwannoma in pregnancy: a case report <i>L. Haakova (Czech Republic)</i>	P09.09
Unilateral pulmonary agenesis: prenatal and postnatal findings and management <i>V. Frisova (Czech Republic)</i>	P09.10
Reproducibility of embryo vascularization by three-dimensional power Doppler ultrasonography at 7 to 10 + 6 weeks of gestation <i>L. Nardozza (Brazil)</i>	P09.11
Comparison of embryo volume from 7 weeks to 10+6 weeks by three dimensional ultrasound using Multiplanar, VOCAL and XI VOCAL methods <i>L. Rolo (Brazil)</i>	P09.12
Comparison of gestational sac volume in first trimester using multiplanar, VOCAL and XI VOCAL methods <i>L. Rolo (Brazil)</i>	P09.13
Preliminary study: yolk sac volume in first trimester by three-dimensional ultrasonography using the XI VOCAL method <i>L. Rolo (Brazil)</i>	P09.14
Three-dimensional sonographic volumetry of phantom objects: comparing rotational method Virtual Organ Computer-aided AnaLysis (VOCAL) to multislice method Extended Imaging (XI) VOCAL <i>L. Nardozza (Brazil)</i>	P09.15
P10: Novel imaging applications and MRI	Hall C2
Diffusion MRI findings in monozygotic twin pregnancies after spontaneous intrauterine fetal death <i>B. Weisz (Israel)</i>	P10.01
Real time fetal MRI for the dynamic prenatal visualization of the pouch in esophageal atresia <i>L. Salomon (France)</i>	P10.02
Magnetic resonance imaging as an alternative to amnioinfusion in suspected fetal renal agenesis <i>A. Weichert (Germany)</i>	P10.03
Morphologic evaluation of lateral ventricles of fetuses with ventricular enlargement by 3D-US and MRI: correlation with etiology <i>K. Haratz (Brazil)</i>	P10.04
Quantitative 3D power Doppler ultrasound in the assessment of normal fetal brain blood flow: a reproducibility study of this method <i>L. Rolo (Brazil)</i>	P10.05
Mild ventriculomegaly in the second trimester US scan and MRI: three rare diagnoses <i>L. Bussamra (Brazil)</i>	P10.06
Reference range of fetal liver volume by three-dimensional ultrasonography at 27 - 38 weeks of pregnancy <i>L. Nardozza (Brazil)</i>	P10.07
Prediction of birth weight by three-dimensional ultrasonography using fetal thigh and upper-arm volume in a Brazilian population <i>L. Nardozza (Brazil)</i>	P10.08
Assessment of 3D power Doppler placental vascular indices in the second half of pregnancy <i>L. Nardozza (Brazil)</i>	P10.09
Comparative evaluation of nuchal fold thickness measurement by 2D ultrasonography and 3D eXtended imaging (3DXI) - a preliminary study <i>L. Bussamra (Brazil)</i>	P10.10
A systematic comparison of the volume of fluid-filled fetal structures using 3D US: a comparison of SonoAVC™, VOCAL™, and inversion mode techniques <i>L. Yeo (USA)</i>	P10.11
The clinical value of vascular enhancement technology for diagnosis of disease in gynecology and obstetrics <i>C. Xinlin (China)</i>	P10.12
Comparison of conventional and PureWave Crystal probe in obstetric sonography <i>T. Lau (China)</i>	P10.13
P11: Fetal aneuploidy screening	Hall E
Development and establishment of a national Danish fetal medicine database for quality surveillance and research <i>C. Ekelund (Denmark)</i>	P11.01
First-trimester combined screening for aneuploidy in a Brazilian population from a private center in Rio de Janeiro: a preliminary study <i>L. Lopes (Brazil)</i>	P11.02
First-trimester combined screening for aneuploidies in Taiwan <i>C. Hsiao (Taiwan)</i>	P11.03
Integrated first and second-trimester screening for Down syndrome in France <i>J. Béglér-fonnier (France)</i>	P11.04
Fetal aneuploidy and structural abnormalities by a 11–14 week routine ultrasound scan in an unselected Serbian population <i>A. Aleksandar (Serbia)</i>	P11.05
Invasive diagnosis of fetal aneuploidies after age-alone screening and 11+0 – 13+6 wks screening in an Italian referral fetal medicine center <i>G. Rembouskos (Italy)</i>	P11.06
Frequency of pregnant women not receiving first trimester risk evaluation and the reasons why <i>M. Khalil (Denmark)</i>	P11.07

Posters – Tuesday 15 September 2009

	Abstract number
Screening tests for chromosomal pathologies in the first trimester: combined test v/s nuchal translucency thickness <i>L. Rosignoli (Italy)</i>	P11.08
First-trimester Down syndrome screening: clinical results in patients with risk $\geq 1/270$ <i>C. Martínez-Payo (Spain)</i>	P11.09
First-trimester biochemical and sonographic screening markers in pregnancies conceived after IVF <i>M. Echevarria (Spain)</i>	P11.10
True value of the biochemical tests of genetic screening in the first trimester combined with highly-trained ultrasound personnel <i>F. Quijano (Colombia)</i>	P11.11
Effect of deviation of free β -hCG and PAPP-A on the performance of screening for trisomy 21 <i>D. Wright (United Kingdom)</i>	P11.12
First trimester biochemical markers of Down syndrome and placental mosaicism <i>F. Jacquemard (France)</i>	P11.13
Comparison of trisomy 21 risk calculation between SYBASE and PRISCA <i>H. Joern (Germany)</i>	P11.14
First trimester screening by NT, NB, TR and DV in Japanese population <i>R. Pooh (Japan)</i>	P11.15
Median levels of free beta-hCG and PAPP-A in the first trimester screening for Down syndrome in a Brazilian population from a private center in Rio de Janeiro <i>L. Lopes (Brazil)</i>	P11.16
Adding tricuspid regurgitation (TR) to the first trimester protocol did not affect the overall screening performance of the first trimester screening (FTS) test <i>H. Yazicioglu (Turkey)</i>	P11.17
Impact of ductus venosus assessment in screening Down syndrome protocols <i>M. Echevarria (Spain)</i>	P11.18
Gender of fetuses with 2.5 – 3.5 mm NT measurements <i>M. El-Daouk (USA)</i>	P11.19
Significance of the first trimester procedures in prenatal diagnosis of chromosomal aberrations <i>D. Smetanova (Czech Republic)</i>	P11.20

P12: Aneuploidy and other fetal anomalies in the second and third trimesters

	Hall F
Learning curve for the lung area to head circumference ratio measurement in fetuses with congenital diaphragmatic hernia <i>R. Cruz-Martinez (Spain)</i>	P12.01
Fetal thymus volume estimated with Virtual Organ Computer-aided AnaLysis (VOCAL) in normal pregnancies <i>C. Re (Italy)</i>	P12.02
Isolated and unexplained polyhydramnios: an independent risk factor for fetal abnormalities <i>S. Abdel-Fattah (United Kingdom)</i>	P12.03
Fetal soft palate integrity: epiglottis-uvula's distance, an easy new sign to be sure <i>J. Develay-Morice (France)</i>	P12.05
Ultrasound detected fetal anomalies at mid trimester scan in 1680 ICSI pregnancies compared to 3299 spontaneous pregnancies <i>M. Aboulghar (Egypt)</i>	P12.06
Clinical characteristics of antenatally detected fetal intra-abdominal umbilical vein varix <i>M. Kim (South Korea)</i>	P12.07
Prenatal appearance and prognosis of hyperechoic lung lesions <i>C. Zanardini (Italy)</i>	P12.08
Two years diagnosing fetal malformations statistics of hospital of Faro-E.P.E <i>V. Ribeiro (Portugal)</i>	P12.09
Ultrasound bowel characterisation and outcome of fetal gastroschisis <i>F. Heller (Germany)</i>	P12.10
Fetal and neonatal outcome after prenatal diagnosis of isolated or associated cleft lip with or without cleft palate <i>E. Pajkrt (Netherlands)</i>	P12.11
Skeletal dysplasias: is the diagnosis possible before delivery? <i>G. Centini (Italy)</i>	P12.12
Ultrasound reference ranges for fetal nasal bone in a Chilean population and its role as screening test for chromosomal abnormalities at 22 – 25 weeks of gestation <i>M. Parra-Cordero (Chile)</i>	P12.13
In utero diagnosis of dilated left brachiocephalic vein – a rare transient and benign phenomenon <i>Y. Gilboa (Israel)</i>	P12.14
The non-visible stomach in routine malformation screening – not a good indicator of esophageal atresia <i>M. Entezami (Germany)</i>	P12.15
Omphalocele; comparison of perinatal outcome following a prenatal diagnosis or a diagnosis at birth <i>T. Cohen-Overbeek (Netherlands)</i>	P12.16
Congenital cystic adenomatoid malformation of the lung: correlation between antenatal and postnatal findings <i>A. Shamas (United Kingdom)</i>	P12.17

	Abstract number
Prenatal differentiation of fetal akinesia deformation sequence by DNA-analysis of acetylcholine receptor subunits <i>M. Hoopmann (Germany)</i>	P12.18
Incidence and outcome of antenatally diagnosed isolated transverse limb defects <i>F. Saeed (United Kingdom)</i>	P12.19
Improvement in prenatal diagnosis of fetal malformations by use of color Doppler <i>N. Vecek (Croatia)</i>	P12.20
P13: Reproductive medicine	Hall 4
The inter-ovarian variation in the number and size of antral follicles between the two ovaries within the same individual <i>S. Deb (United Kingdom)</i>	P13.01
Reproductive outcome in patients with recurrent miscarriage and impaired resistance to uterine arteries blood flow treated with low dose aspirin and omega-3 fatty acids <i>N. Lazzarin (Italy)</i>	P13.02
Correlation of 3D power Doppler indices of ovarian vascularity with those derived from pulsed wave Doppler analysis of the ovarian stromal vessels <i>N. Raine-Fenning (United Kingdom)</i>	P13.03
Transvaginal ultrasonography in the diagnosis of hydrosalpinx <i>M. Onofriescu (Romania)</i>	P13.04
The validity of Sono AVC, 3D-power Doppler assists IVF treatment <i>M. Murai (Japan)</i>	P13.05
In-vivo validation of the XI VOCAL™ three-dimensional sonographic volumetry with the assessment of urinary retention after radical hysterectomy <i>S. Bózsza (Hungary)</i>	P13.07
3D vascular indexes calculated using conventional power Doppler (PD) and high-definition flow Doppler (HDF). Are there differences? <i>J. Alcazar (Spain)</i>	P13.08
P14: Using ultrasound in urogynecology	Hall 4
Effects of systemic and local estrogen therapy on periurethral vessels in postmenopausal incontinent women using Doppler velocimetry analysis <i>M. Kajikawa (Brazil)</i>	P14.01
Mesh implants for surgical treatment of stress urinary incontinence: can 3D ultrasound help us to assess them? <i>M. Pascual (Spain)</i>	P14.02

Program – Wednesday 16 September 2009

07:30–08:15 All you ever wanted to know about... manipulating 3D volumes – tricks of the trade# **Hall C1**

L. Platt (USA)

08:30–09:00 Wednesday: State of the art lecture **Hall 3**

Chairs: D. Paladini (Italy); U. Gembruch (Germany)

08:30 The significance and outcome of specific types of congenital heart disease

L. Allan (United Kingdom)

Lindsey Allan has been involved in Paediatric Cardiology for 30 years. Her particular area of interest is the detection of congenital heart disease (CHD) in the fetus, which she first started to explore in 1979, when suitable ultrasound equipment became available. Much of her working life has been dedicated to the teaching of fetal echocardiographic skills to the routine obstetric sonographer, in order to improve the detection rate of CHD in fetal life. CHD covers a large spectrum of disease, with a wide range of severity in terms of requirement for surgery, mortality at surgery and long-term morbidity for the affected child. It is therefore important that the diagnosis of CHD is made accurately in the fetus, so that the parents can be given as clear and correct a picture as possible, of the likely outcome for their offspring. It is also important to be aware of the association of different types of CHD with extracardiac malformations and for this reason, she has always worked within, or closely linked to, a Fetal Medicine setting. On the other hand, as a fetal cardiologist throughout her career, she has always maintained close links with paediatric cardiology, in order to follow the outcome for her fetal patients as they progress into adult life, and to keep abreast of the changes and advances which are continually occurring in this field.

09:00–10:00 Fetal cardiac anomalies **Hall 3**

Chairs: U. Gembruch (Germany); D. Paladini (Italy)

09:00 Live scan demonstration: early fetal echocardiography (supported by Aloka*)

J. Carvalho (United Kingdom)

09:20 Fusion of multiple four dimensional fetal echocardiography images can improve quality

OC18.01

M. Gooding; K. Rajpoot; S. Mitchell; P. Chamberlain; J. Noble; S. Kennedy (United Kingdom)

09:25 Discussion

09:28 Interobserver agreement on cardiac defects using spatio temporal image correlation and volume computer aided diagnosis

OC18.02

J. Bello-Muñoz; E. Carreras; D. Albert; Q. Ferrer; A. Esquivel; S. Arévalo; L. Cabero (Spain)

09:33 Discussion

09:36 Assessment of the fetal interventricular septum by real-time three-dimensional echocardiography with live 3D imaging

OC18.03

Y. Xiong; Y. Wah; M. Chen; T. Leung; T. Lau (China)

09:41 Discussion

09:44 Prospective evaluation of automated sonography in comprehensive fetal cardiac imaging in the second trimester of pregnancy

OC18.04

E. Sinkovskaya¹; E. Barkley¹; P. Falkensammer²; C. Stoeckl²; A. Abuhamad¹

¹(USA); ²(Austria)

09:49 Discussion

09:52 Prenatal diagnosis of total and partial anomalous pulmonary venous drainage (T/PAPVD): risk factors and color Doppler signs

OC18.05

R. Chaoui; A. Sarut Lopez; A. Bergann; K. Heling (Germany)

09:57 Discussion

09:00–10:00 Screening for malignancy and scanning asymptomatic women **Hall 4**

Chairs: L. Platt (USA); L. Valentin (Sweden)

09:00 Lessons learnt from the UKCTOCS ovarian cancer screening study

S. Campbell (United Kingdom)

09:15 What is the relevance of endometrial polyps in symptomatic and asymptomatic women

E. Dreisler (Denmark)

09:30 How often are endometrial polyps malignant in asymptomatic postmenopausal women?

E. Ferrazzi (Italy)

09:45 Transvaginal sonography in postmenopausal breast cancer patients receiving tamoxifen

OC19.01

M. Onofriescu; D. Nemescu; A. Luca; M. Timoveanu (Romania)

09:50 Discussion

09:53 Early diagnosis in ovarian cancer: role of transvaginal color Doppler ultrasound. Ten years' experience

OC19.02

M. Pascual; B. Graupera; L. Hereter; M. Cusidó; F. Tresserra; I. Rodríguez (Spain)

09:58 Discussion

Program – Wednesday 16 September 2009

10:05–10:50 Chaired oral poster discussions

OP19: Fetal Doppler <i>Chairs: K. Maršál (Sweden); H. Steiner (Austria)</i>	Hall B2
OP20: Fetal anatomy in the first trimester <i>Chairs: A. Gagnon (Canada); U. Germer (Germany)</i>	Hall C1
OP21: Fetal echocardiography: diagnosis and management of cardiac anomalies <i>Chairs: M. Meyer-Wittkopf (Germany); J. Wladimiroff (United Kingdom)</i>	Hall C2
OP22: Fetal interventions II <i>Chairs: E. Gratacós (Spain); A. Huber (Germany)</i>	Hall E
OP23: IUGR assessment and outcome <i>Chairs: S. Eik-Nes (Norway); M. Momtaz (Egypt)</i>	Hall F
OP24: Ovarian pathology and imaging in oncology <i>Chairs: L. Savelli (Italy); A. Czekierdowski (Poland)</i>	Hall 4

10:45–11:15 Coffee and poster viewing

11:15–12:30 Fetal and maternal Doppler

Hall 3

	<i>Chairs: C. Brezinka (Austria); J. Copel (USA)</i>	
11:15	Live scan demonstration: how to get the most out of Doppler (supported by Siemens AG*) <i>C. Lees (United Kingdom)</i>	
11:35	Intrauterine growth restriction and postnatal neurodevelopment <i>K. Maršál (Sweden)</i>	
11:50	Cardiovascular function in women with a previous pregnancy complicated by early onset pre-eclampsia <i>F. Prefumo; G. Gatti; A. Paini; M. Salvetti; M. Muiesan; T. Frusca (Italy)</i>	OC20.01
11:55	Discussion	
11:58	First-trimester maternal haemodynamic evaluation in women with abnormal uterine Doppler for the prediction of preeclampsia <i>E. Meler; R. Mula; N. Masoller; F. Figueras; E. Gratacós (Spain)</i>	OC20.02
12:03	Discussion	
12:06	Hypertensive disorders in pregnancy: screening by uterine artery Doppler and blood pressure at 11–13 weeks <i>R. Lachmann; L. Poon; K. Nicolaidis (United Kingdom)</i>	OC20.03
12:11	Discussion	
12:14	Correlation between quantitative 3D Doppler parameters and real blood flow within the uteroplacental unit: evaluation in a pregnant sheep experimental model <i>O. Morel; F. Pachy; V. Tsatsaris; M. Bonneau; P. Laigre; P. Chavatte-Palmer (France)</i>	OC20.04
12:19	Discussion	
12:22	Fetal cardiac function by tissue Doppler imaging in women with preeclampsia and/or intrauterine growth restriction <i>E. Llurba; Q. Ferrer; F. Roses; J. Girona; E. Carreras; L. Cabero (Spain)</i>	OC20.05
12:27	Discussion	

11:15–12:35 Diagnosis and management of ovarian pathology

Hall 4

	<i>Chairs: T. Bourne (United Kingdom); D. Fischerova (Czech Republic)</i>	
11:15	Quality of ultrasound influences the outcome of ovarian pathology <i>J. Yazbek (United Kingdom)</i>	
11:35	Diagnosis and management of borderline ovarian tumours <i>A. Testa; M. Malaggesi; D. Scardigno; A. Licameli; G. Zannoni; A. Di Legge; F. Mascilini; G. Scambia; G. Ferrandina (Italy)</i>	OC23.02
11:50	Biomarkers and transvaginal ultrasonography in the detection of ovarian cancer <i>S. Guerriero; M. Orrù; S. Ajossa; B. Virgilio; M. Pilloni; A. Paoletti; R. Uras; G. Melis (Italy)</i>	OC21.01
11:55	Discussion	
11:58	Adnexal masses difficult to classify as benign or malignant using subjective evaluation of ultrasound findings: logistic regression models do not help <i>L. Valentin¹; L. Ameze²; L. Savelli³; R. Fruscio³; F. Leone³; A. Czekierdowski⁴; A. Lissoni³; D. Fischerova⁵; S. Guerriero³; C. Van Holsbeke²; S. Van Huffel²; D. Timmerman²</i> ¹ (Sweden); ² (Belgium); ³ (Italy); ⁴ (Poland); ⁵ (Czech Republic)	OC21.02
12:03	Discussion	
12:06	"Whirlpool Sign" in diagnosis of adnexal torsion with atypical clinical presentation <i>D. Valsky; M. Lipschuetz; E. Esh-Broder; B. Messing; S. Cohen; S. Yagel (Israel)</i>	OC21.03
12:11	Discussion	
12:14	Sonographic follow-up of unilocular >5cm and multilocular ovarian cysts <7cm in postmenopausal women: preliminary results <i>F. Leone; A. Crepaldi; G. Tosi; C. Marcianti; I. Cetin (Italy)</i>	OC21.04

Program – Wednesday 16 September 2009

12:19	Discussion	
12:22	Borderline ovarian tumors – still an ultrasonographic challenge for an accurate preoperative diagnosis <i>Y. Goldberg; O. Lavie; R. Keidar; Y. Segev; R. Auslender (Israel)</i>	OC21.05
12:27	Discussion	
12:30	Inversion image analysis: a novel technique to differentiate between malignant and benign ovarian masses during ultrasound examination <i>A. Ntomali; A. Mousiolis; M. Haramanta; S. Mesogitis; A. Antsaklis (Greece)</i>	OC21.06
12:35	Discussion	

12:30–14:00 Lunch and poster viewing

12:30–14:00 Poster discussions

P15: Second and third trimesters I	Hall B2
P16: First trimester anatomy	Hall C1
P17: Second trimester fetal anomalies	Hall C2
P18: Fetal interventions	Hall E
P19: Fetal growth assessment	Hall F
P20: IUGR	Hall F
P21: Ovarian pathology and imaging in oncology	Hall 4

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

Hall 3

3D ultrasound in prenatal diagnostics. What is new?
3D ultrasound in obstetrics: lessons learned on the way forward
K. Kalache (Germany)
New applications of 3D US in the comprehensive evaluation of the fetal face and palate
W. Sepulveda (Chile)
Slicing through the fetal heart: 2D or 3D?
J. Carvalho (United Kingdom)
Live scan demonstration: what is new in 3D fetal sonography?
K. Kalache (Germany)

14:00–15:30 Multiple pregnancy

Hall 3

	<i>Chairs: C. Berg (Germany); E. Gratacós (Spain)</i>	
14:00	Live scan demonstration: assessment of twins (supported by Medison*) <i>W. Sepulveda (Chile)</i>	
14:20	Maternal and fetal outcome in spontaneous and fertility therapy-derived multiple pregnancies: preliminary results <i>F. Leone; A. Marconi; P. Levi-Setti; G. Tosi; E. Ferrazzi; I. Cetin (Italy)</i>	OC22.01
14:25	Discussion	
14:28	Antenatal sonographic prediction of triplet chorionicity <i>G. Steinberg; D. Lewis; B. Rochelson (USA)</i>	OC22.02
14:33	Discussion	
14:36	The association between fetal gender combination in twin pregnancies and gestational age at delivery <i>A. Oldenburg; L. Rode; B. Bødker; V. Erbak; A. Holmskov; H. Larsen; T. Larsen; L. Laursen; O. Petersen; L. Skibsted; L. Sperling; F. Stener Jørgensen; I. Stormes; H. Zingenberg; A. Tabor (Denmark)</i>	OC22.03
14:41	Discussion	
14:44	The importance of gestational age at laser surgery in TTTS <i>B. Nasr; J. Stirnemann; D. Nowakowska; M. Essaoui; Y. Ville (France)</i>	OC22.04
14:49	Discussion	
14:52	Perinatal outcome after laser treatment of recipient twins affected by right ventricle outflow tract obstruction <i>N. Masoller; J. Martinez; E. Eixarch; F. Crispi; I. González; O. Gómez; M. Bennasar; B. Puerto; E. Gratacós (Spain)</i>	OC22.05
14:57	Discussion	
15:00	Cardiovascular dysfunction in monochorionic pregnancies with twin-to-twin transfusion syndrome to predict fetal demise <i>I. Gonzalez-Foruria; E. Eixarch; N. Masoller; F. Crispi; A. Olivella; E. Meler; J. Martinez; E. Gratacós (Spain)</i>	OC22.06
15:05	Discussion	
15:08	Contribution of Doppler and cardiac function evaluation to the prediction of the individualized risk of early fetal demise after laser therapy in twin-twin transfusion syndrome <i>E. Eixarch¹; K. Ty-Torredes³; T. Van Mieghem²; J. Martinez¹; L. Lewi²; A. Baschat³; I. Gonzalez-Foruria¹; J. Deprest²; E. Gratacós¹</i> ¹ (Spain); ² (Belgium); ³ (USA)	OC22.07
15:13	Discussion	

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MEDISON Program Highlights at ISUOG 2009

Luncheon Symposium

September 16, Hall 3

Live Scan Demonstration Sessions

September 15-16, Hall 3

Sept 15: 09:00 - 10:00 3D US of the fetal CNS
Sept 16: 14:00 - 15:30 Assessment of Twins
16:00 - 17:30 Pre-operative assessment for TTTS

Hospitality Suite

September 14-16, Hall 8T

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ACCUVIX V20

Program – Wednesday 16 September 2009

15:16	New indices for the analysis of ductus venosus flow velocity waveforms: preliminary study in twin-to-twin transfusion syndrome treated with laser coagulation <i>D. Tachibana</i> ^{1,2} ; <i>P. Glosemeyer</i> ² ; <i>W. Diehl</i> ² ; <i>A. Diemert</i> ² ; <i>K. Hecher</i> ² ¹ (Japan); ² (Germany)	OC22.08
15:21	Discussion	
15:24	Middle cerebral artery peak systolic velocities in twin-to-twin transfusion syndrome fetuses around the time of fetoscopic laser coagulation <i>L. Gucciardo</i> ; <i>P. Klaritsch</i> ; <i>P. Lewi</i> ; <i>T. Van Mieghem</i> ; <i>E. Done</i> ; <i>J. Jani</i> ; <i>L. De Catte</i> ; <i>R. Devlieger</i> ; <i>D. Van Schoubroeck</i> ; <i>J. Deprest</i> (Belgium)	OC22.09
15:29	Discussion	

14:00–15:30 Imaging in the oncology patient Hall 4

	<i>Chairs: A. Abuhamad</i> (USA); <i>L. Savelli</i> (Italy)	
14:00	The role of ultrasound for staging and evaluating the prognosis in different gynecological cancers <i>D. Fischerova</i> ; <i>D. Cibula</i> ; <i>M. Zikan</i> ; <i>I. Pinkavova</i> ; <i>P. Dunder</i> ; <i>P. Calda</i> (Czech Republic)	OC23.01
14:30	Transvaginal ultrasound and MRI for the assessment of cervical carcinoma <i>A. Testa</i> (Italy)	(OC23.02)
14:50	Discussion	
14:53	Comparison of the diagnostic accuracy of expert transvaginal ultrasound and PET/CT in the evaluation of adnexal masses <i>S. Giunchi</i> ; <i>M. Kuleva</i> ; <i>T. Ghi</i> ; <i>E. Marra</i> ; <i>S. Fanti</i> ; <i>P. Castellucci</i> ; <i>F. Armillotta</i> ; <i>L. Savelli</i> ; <i>G. Pelusi</i> (Italy)	OC23.03
14:58	Discussion	
15:01	Does spherical sample size affect the performance of 3D power Doppler indexes for predicting malignancy in vascularized adnexal masses? <i>J. Alcazar</i> ¹ ; <i>M. Kudla</i> ² ¹ (Spain); ² (Poland)	OC23.04
15:06	Discussion	
15:09	Transvaginal ultrasonography for the evaluation of the response to concomitant chemoradiotherapy in cases of invasive cervical carcinoma <i>A. Gaurilcikas</i> ; <i>D. Vaitkiene</i> ; <i>S. Kajenas</i> ; <i>A. Inciura</i> ; <i>A. Cizauskas</i> ; <i>A. Bartusevicius</i> ; <i>E. Svedas</i> ; <i>V. Gintautas</i> ; <i>A. Ringyte</i> ; <i>E. Dauksyte</i> ; <i>R. Nadisauskiene</i> (Lithuania)	OC23.05
15:14	Discussion	
15:17	Adequacy and safety of ultrasound guided tru-cut biopsy in the management of abdomino-pelvic tumors <i>M. Zikan</i> ; <i>D. Fischerova</i> ; <i>I. Pinkavova</i> ; <i>D. Cibula</i> (Czech Republic)	OC23.06, OC23.07
15:22	Discussion	

15:30–16:00 Coffee and poster viewing

16:00–17:30 Invasive fetal therapy Hall 3

	<i>Chairs: J. Deprest</i> (Belgium); <i>E. Hernandez</i> (Mexico)	
16:00	Live scan demonstration: pre-operative assessment for TTTS (supported by Medison*) <i>K. Hecher</i> (Germany); <i>A. Baschat</i> (USA)	
16:18	Chorionic villus sampling (CVS) is not associated with hypertensive disorders of pregnancy <i>A. Odibo</i> ; <i>B. Oberle</i> ; <i>J. Dicke</i> ; <i>D. Gray</i> ; <i>J. Crane</i> (USA)	OC24.01
16:23	Discussion	
16:26	Lung tissue blood perfusion changes induced by in utero tracheal occlusion in a rabbit model of congenital diaphragmatic hernia <i>R. Cruz-Martinez</i> ; <i>O. Moreno-Alvarez</i> ; <i>J. Prat</i> ; <i>A. Albert</i> ; <i>E. Hernandez</i> ; <i>E. Gratacós</i> (Spain)	OC24.02
16:31	Discussion	
16:34	Echocardiographic predictors of acute recipient twin demise following selective fetoscopic laser photocoagulation for twin-twin transfusion syndrome <i>J. Cnota</i> ; <i>T. Crombleholme</i> ; <i>E. Michelfelder</i> (USA)	OC24.04
16:39	Discussion	
16:42	Perioperative prognostic factors in twin-to-twin transfusion syndrome treated by percutaneous laser selective coagulation <i>J. Stirnemann</i> ; <i>B. Nasr</i> ; <i>L. Bussi�eres</i> ; <i>M. Essaoui</i> ; <i>Y. Ville</i> (France)	OC24.05
16:47	Discussion	
16:50	The CHOP cardiovascular score for TTTS: analysis of post laser effects <i>M. Bebbington</i> ; <i>J. Rychik</i> ; <i>Z. Tian</i> ; <i>S. Zhao</i> ; <i>M. Johnson</i> (USA)	OC24.06
16:55	Discussion	
16:58	Prognostic factors for adverse outcomes in monochorionic twins treated by laser <i>T. Cobo</i> ; <i>E. Eixarch</i> ; <i>M. Palacio</i> ; <i>F. Crispi</i> ; <i>I. Mercad�e</i> ; <i>J. Mart�nez-Crespo</i> ; <i>E. Gratac�s</i> (Spain)	OC24.07
17:03	Discussion	

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17:06	Childhood growth after intrauterine laser coagulation for twin–twin transfusion syndrome (TTTS) <i>C. Prinz; C. Maschke; P. Graeve; K. Hecher; P. Bartmann (Germany)</i>	OC24.08
17:11	Discussion	
17:14	Relationship between head circumference and neurodevelopmental outcome of 160 children after twin–twin transfusion syndrome (TTTS) <i>C. Maschke; B. Ellenrieder; K. Hecher; P. Bartmann (Germany)</i>	OC24.09
17:19	Discussion	

16:00–17:30 Characterising ovarian pathology: the use of mathematical models and new technology Hall 4

	<i>Chairs: T. Bourne (United Kingdom); D. Timmerman (Belgium)</i>	
16:00	How do we translate lessons from the IOTA trial into clinical practice? Have we improved on the RMI? <i>D. Timmerman (Belgium)</i>	
16:15	Is 3D ultrasound of any value for the assessment of ovarian pathology? <i>L. Valentin (Sweden)</i>	
16:30	Unilocular solid adnexal masses with papillary projections but no other solid components: is there a logistic regression model that can help? <i>L. Ameys¹; L. Ameye²; L. Savelli³; R. Fruscio³; F. Leone³; A. Czekierdowski⁴; A. Lissoni³; D. Fischerova⁵; S. Guerriero³; C. Van Holsbeke²; S. Van Huffel²; D. Timmerman²</i> ¹ (Sweden); ² (Belgium); ³ (Italy); ⁴ (Poland); ⁵ (Czech Republic)	OC25.01
16:35	Discussion	
16:38	Intercenter variability in ultrasound features of malignant and benign adnexal masses <i>L. Ameys¹; C. Van Holsbeke¹; A. Testa²; L. Valentin³; R. Fruscio²; S. Guerriero²; A. Czekierdowski⁴; D. Fischerova⁵; S. Van Huffel¹; T. Bourne^{1,6}; D. Timmerman¹</i> ¹ (Belgium); ² (Italy); ³ (Sweden); ⁴ (Poland); ⁵ (Czech Republic); ⁶ (United Kingdom)	OC25.02
16:43	Discussion	
16:46	Ultrasound appearance of cystadenofibroma: can we reduce surgical intervention? <i>S. Goldstein; I. Timor-Tritsch; S. Monda; D. Popliolek; A. Monteagudo (USA)</i>	OC25.03
16:51	Discussion	
16:54	Comparison of volume evaluation of pathological and normal ovaries obtained with the use of VOCAL 3D software versus the “3 distances” method <i>M. Kudla¹; J. Alcazar²; I. Timor-Tritsch³; A. Arslan³</i> ¹ (Poland); ² (Spain); ³ (USA)	OC25.04
16:59	Discussion	
17:02	Adjusting prediction models for ovarian tumor classification to new clinical settings <i>L. De Clercq¹; B. Van Calster¹; C. Van Holsbeke¹; A. Czekierdowski²; S. Guerriero³; L. Savelli³; D. Franchi³; D. Fischerova⁴; J. Zhang⁵; E. Epstein⁶; L. Valentin⁶; A. Testa³; S. Van Huffel¹; D. Timmerman¹</i> ¹ (Belgium); ² (Poland); ³ (Italy); ⁴ (Czech Republic); ⁵ (China); ⁶ (Sweden)	OC25.05
17:07	Discussion	
17:10	Three-dimensional high-definition color Doppler flow imaging and “vascular” tumor biopsy to assess complex ovarian masses: a preliminary experience <i>A. Czekierdowski; A. Smolen; J. Kotarski (Poland)</i>	OC25.06
17:15	Discussion	
17:18	Ovarian cancer arising in endometrioma: ultrasound findings <i>A. Testa¹; C. Van Holsbeke²; A. Licameli¹; G. Zannoni¹; S. Fransis²; P. Moerman²; A. Di Legge¹; F. Mascilini¹; G. Ferrandina¹; G. Scambia¹; D. Timmerman²</i> ¹ (Italy); ² (Belgium)	OC25.07
17:23	Discussion	

17:30–18:15 All you ever wanted to know about... fetal ventriculomegaly (CNS)[#] Hall C1

A. Abuhamad (USA)

17:30–18:15 All you ever wanted to know about... ductus arteriosus – the black sheep of the fetal vessels[#] Hall C2

C. Brezinka (Austria)

Posters – Wednesday 16 September 2009

Oral poster presentations

Chaired oral poster sessions 10:05–10:50

Viewing available all week on poster pods

Abstract number

OP19: Fetal Doppler

Hall B2

Chairs: K. Marsal (Sweden); H. Steiner (Austria)

Atosiban, magnesium sulfate and ritodrine therapy for preterm labor: effects on uterine, fetal umbilical and middle cerebral artery Doppler parameters in the first 24 hours OP19.01

J. Kim (South Korea)

Doppler reference values of the fetal posterior cerebral artery between 20 to 40 weeks of gestation OP19.02

E. Hernandez (Mexico)

Doppler indices of the middle cerebral artery in fetuses with cardiac defects associated with impaired cerebral oxygen delivery in utero. Is there a brain sparing effect? OP19.03

O. Gembruch (Germany)

Cerebral three dimensional angio Doppler indices in fetuses of women with pregestational diabetes mellitus OP19.04

R. Quintero (Spain)

Is middle cerebral artery Doppler useful in the prenatal prediction of homozygous α^0 -thalassaemia? OP19.05

K. Leung (China)

New reference ranges for middle cerebral artery peak systolic velocity (MCA-PSV) and their applicability in diagnosing fetal anemia OP19.06

M. te Woerd - van Dooren (Germany)

Does the Mari action line need refining? OP19.07

P. McParland (Ireland)

In utero evaluation of the fetal umbilical – portal venous system: 2D and 3D ultrasonic study OP19.08

R. Achiron (Israel)

The importance of portal system evaluation and shunt dimensions in cases of agenesis of ductus venosus OP19.09

S. Yagel (Israel)

Umbilical vein volume blood flow measured at a free loop of the umbilical cord in the second half of pregnancy: a longitudinal study OP19.10

K. Flo (Norway)

Umbilical venous blood flow measurements: comparison between free and intra-abdominal portion OP19.11

J. Carrillo (Chile)

The ductus venosus (DV) size in normal fetuses from quiet to active states OP19.12

D. Wood (USA)

Intra- and interobserver reliability of tissue Doppler for measurement of fetal myocardial velocities OP19.13

M. Comas (Spain)

OP20: Fetal anatomy in the first trimester

Hall C1

Chairs: A. Gagnon (Canada); U. Germer (Germany)

Accuracy of early pregnancy dating using 3D ultrasound OP20.01

T. Ghi (Italy)

Nuchal translucency (NT) measurement versus comprehensive early anomaly scan in fetuses with trisomy 21 OP20.02

A. Sarut Lopez (Germany)

Early anomaly scan and early fetal echocardiography – effectiveness at 11–13+6 weeks OP20.03

M. Wiechec (Poland)

Detection of fetal major structural anomalies at the 11–14 ultrasound scan in an unselected population OP20.04

P. Calda (Czech Republic)

First trimester detection of fetal anomalies in pregestational diabetes OP20.05

A. Baschat (USA)

Ductus venosus flow velocities in first-trimester fetuses with increased nuchal translucency in relation to the type of cardiac defect OP20.07

Y. de Mooij (Netherlands)

Holoprosencephaly, megacystis and exomphalos and the risk for chromosomal abnormalities OP20.08

K. Kagan (Germany)

Is it possible to diagnose fetal kidneys agenesis or to affirm their presence during first trimester screening? OP20.09

J. Develay-Morice (France)

Evaluation of the nuchal translucency and fetal anatomy in 1st trimester using the 2D and 3D ultrasonography OP20.10

E. Anastasakis (Greece)

The clinical value of three-dimensional ultrasonography technology in the amnioscope mode for diagnosis during the first trimester OP20.11

C. Xinlin (China)

Accuracy of fetal gender determination in the 1st trimester using 3D ultrasound OP20.12

T. Ghi (Italy)

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	Abstract number
OP21: Fetal echocardiography: diagnosis and management of cardiac anomalies	Hall C2
<i>Chairs: M. Meyer-Wittkopf (Germany); J. Wladimiroff (United Kingdom)</i>	
Antenatal diagnosis of fetal heart disease <i>S. Kabra (India)</i>	OP21.01
Accuracy of prenatal diagnosis of congenital heart defects over a ten year period in a referral center <i>S. Clur (Netherlands)</i>	OP21.02
Impact of prenatal diagnosis of complex congenital heart disease on mode of delivery and neonatal outcomes <i>I. Williams (USA)</i>	OP21.03
Obstetrical outcome in 80 pregnancies with prenatally diagnosed hypoplastic left heart syndrome (HLHS) at a referral center <i>M. Respondek-Liberska (Poland)</i>	OP21.04
Outcome of pregnancies with prenatally diagnosed hypoplastic left heart syndrome (HLHS) in a referral center for fetal cardiology during last 12 years <i>A. Wieczorek (Poland)</i>	OP21.05
Outcome of prenatally diagnosed single-ventricle hearts <i>P. Kreiselmaier (Germany)</i>	OP21.06
Fetal right heart anomalies – prenatal management and outcome in 83 cases <i>J. Weichert (Germany)</i>	OP21.07
Outcome for prenatally diagnosed pulmonary atresia /stenosis with intact ventricular septum <i>A. Kempe (Germany)</i>	OP21.08
Right ventricular morphology in fetal pulmonary atresia with intact ventricular septum assessed by 3D: feasibility & prognostic significance <i>D. Paladini (Italy)</i>	OP21.09
Agensis of the ductus venosus: what is the real clinical relevance? <i>Q. Ferrer Mendiña (Spain)</i>	OP21.10
OP22: Fetal interventions II	Hall E
<i>Chairs: E. Gratacos (Spain); A. Huber (United Kingdom)</i>	
Assessment of intraventricular pressure in fetuses with hydrocephaly: initial experience <i>K. Haratz (Brazil)</i>	OP22.01
Contribution of pulmonary Doppler to improve prediction of survival in fetuses with congenital diaphragmatic hernia treated with fetal endoscopic tracheal occlusion <i>R. Cruz-Martinez (Spain)</i>	OP22.02
Fetal endoscopic tracheal occlusion in severe congenital diaphragmatic hernia using 1.0 mm fetoscope – a randomized study <i>R. Ruano (Brazil)</i>	OP22.03
Percutaneous fetal cystoscopy for the diagnosis and therapy of lower urinary tract obstruction – a case-control study <i>R. Ruano (Brazil)</i>	OP22.04
Postnatal outcome in twin reversed arterial perfusion treated with radiofrequency ablation <i>S. Hayashi (Japan)</i>	OP22.05
Monochorionic twin pregnancies complicated by an anomalous co-twin: fetal magnetic resonance imaging after radiofrequency ablation <i>S. Bauer (USA)</i>	OP22.06
Lung function at school age of 60 children after intrauterine laser therapy for twin–twin transfusion syndrome (TTTS) <i>P. Bartmann (Germany)</i>	OP22.07
Experiment of high-intensity focused ultrasound (HIFU) exposure for surface blood vessel of placenta – potential for therapy of TTTS <i>H. Aoki (Japan)</i>	OP22.08
Outcomes of different anesthetic techniques in fetoscopic laser treatment for TTTS <i>J. Deprest (Belgium)</i>	OP22.09
Risks and the outcome of twin-to-twin transfusion syndrome after fetoscopic laser surgery <i>H. Sago (Japan)</i>	OP22.10
Twin-anemia-polycythemia-sequence (TAPS) management options and results <i>M. Yamamoto (Chile)</i>	OP22.11
OP23: IUGR assessment and outcome	Hall F
<i>Chairs: S. Eik-Nes (Norway); M. Momtaz (Egypt)</i>	
Cardiac function assessed by tissue Doppler myocardial velocities in fetuses with growth restriction <i>M. Comas (Spain)</i>	OP23.01
Amniotic fluid erythropoietin like matter of distinction between IUGR and constitutionally small fetuses <i>V. Parovic (Serbia)</i>	OP23.02
Comparison of leptin and adiponectin levels in maternal serum and venous umbilical cord blood between growth restricted and normal fetuses <i>V. Marsoosi (Iran)</i>	OP23.03
Rate of conversion of normal to abnormal umbilical, middle cerebral and uterine arteries in late-onset small-for-gestational-age fetuses <i>M. Munmany (Spain)</i>	OP23.04
A three-dimensional power Doppler algorithm for ductus venosus shunting evaluation in normal and growth restricted fetuses <i>J. Bello-Muñoz (Spain)</i>	OP23.05

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	Abstract number
Measurement of fetal urine production in predicting adverse perinatal outcome in patients with uteroplacental insufficiency <i>S. Lee (South Korea)</i>	OP23.06
Correlation between Doppler flow (umbilical artery and uterine arteries) and perinatal outcome in IUGR (intrauterine growth restriction) <i>L. Pallarès Porta (Spain)</i>	OP23.07
Perinatal outcome does not differ in IUGR fetuses born from normotensive women versus IUGR from preeclamptic women: a multicenter study <i>E. Cosmi (Italy)</i>	OP23.08
Contribution of fetal growth restriction to unexplained stillbirth <i>J. Jaramillo (Spain)</i>	OP23.09
Correlation between Hadlock growth percentile and perinatal outcome in IUGR (intrauterine growth restriction) and SGA (small gestational age) babies <i>L. Pallarès Porta (Spain)</i>	OP23.10
Perinatal outcome of idiopathic small for gestational age (SGA) babies \leq 3rd centile amongst women of Bangladesh origin <i>S. Sivarajan (United Kingdom)</i>	OP23.11

OP24: Ovarian pathology and imaging in oncology

Hall 4

Chairs: *L. Savelli (Italy)*; *A. Czekirowski (Poland)*

The Pelvic Masses Score (PMS): a proposed new scoring system to evaluate pelvic masses <i>R. Alberto (Italy)</i>	OP24.01
Asymptomatic adnexal masses: accuracy of characterization with ultrasound scoring systems, color Doppler sonography, 3D-ultrasound, and MR imaging <i>M. Pinschke (Germany)</i>	OP24.02
Correlation of transvaginal ultrasound findings and surgical specimen pathology in early stage cervical cancer: a prospective, single institution observational study <i>D. Franchi (Italy)</i>	OP24.04
Diagnostic value of sonohysterography in patients in tamoxifen (TAM) therapy for breast cancer <i>T. Frusca (Italy)</i>	OP24.05
Elastography in gynecology: preliminary experience <i>J. Veldman (Belgium)</i>	OP24.06
Ultrasonographic characteristics of borderline ovarian tumors – 5-year experience of a single institution <i>Y. Goldberg (Israel)</i>	OP24.07
Intraobserver and interobserver agreement of color Doppler in adnexal malignancy <i>S. Guerriero (Italy)</i>	OP24.08
Transrectal ultrasound in the evaluation of locally advanced cervical cancer after neoadjuvant chemotherapy <i>I. Pinkavova (Czech Republic)</i>	OP24.09
GI-RADS: a new proposal for classifying adnexal masses based on sonographic findings <i>J. Alcazar (Spain)</i>	OP24.10
The possible use of color Doppler flow in planning treatment in stage I and II cervical carcinoma <i>E. Ancuta (Romania)</i>	OP24.11
The possible use of transvaginal color Doppler ultrasound in predicting the response to concurrent chemo-radiotherapy in advanced cervical cancer <i>E. Ancuta (Romania)</i>	OP24.12

Posters (view only)

Poster discussion 12:30–14:00

Viewing available all week on poster pods

P15: Second and third trimesters I

Abstract number

Hall B2

Surface rendering of external genitalia in fetus at 32 weeks of gestation affected by partial androgen insensitivity syndrome (PAIS) <i>S. Latella (Italy)</i>	P15.01
Tetra-amelia: a case report <i>I. Graaf (Netherlands)</i>	P15.02
Prenatal diagnosis of urorectal septum malformation sequence <i>M. Rehn (Germany)</i>	P15.03
Congenital syphilis <i>R. Napolitano (Italy)</i>	P15.04
Ultrasound features of an anomaly of the umbilico-portal system – a case report <i>T. Foo (Singapore)</i>	P15.05
Dacrocystocele: a case report by 3D-4D <i>L. Rosignoli (Italy)</i>	P15.06
Incidence of fetal intra-thoracic anomalies and chest wall masses <i>C. Cassis-Phillips (Ecuador)</i>	P15.07

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	Abstract number
Prenatal sonographic screening for fetal malformations – how good are we today? <i>I. Fuchs (Germany)</i>	P15.08
A teaching template for 2nd trimester anomaly scanning <i>T. Chudleigh (United Kingdom)</i>	P15.09
Ultrasound diagnosis of fetal aortic arch anomalies <i>S. Li (China)</i>	P15.10
Trends in prenatal thickness, nasal bone length and nuchal fold thickness measurements in second and third trimester Down syndrome fetuses <i>F. Vos (Netherlands)</i>	P15.11
Prenatal diagnosis of severe combined immunodeficiency (SCID): ultrasonographic detection of the absence of cavum septi pellucidi may be predictive? <i>T. Bruno (Italy)</i>	P15.12
A case series of unilateral empty renal fossa not caused by renal agenesis <i>R. Sohaey (USA)</i>	P15.13
Absence of ultrasound abnormalities in a fetus with a small supernumerary marker chromosome (sSMC) found at prenatal diagnosis <i>M. Angiolucci (Italy)</i>	P15.14
An update on incidence of congenital defects coexisting with fetal urinary tract anomaly <i>J. Kwon (South Korea)</i>	P15.15
Sonographic measurements of fetal nuchal fold, cerebellum and cisterna magna, in normal fetuses at the early second trimester of pregnancy <i>J. Har-Toov (Israel)</i>	P15.16
Prenatal detected fetal anomalies in women using antiepileptic drugs <i>M. Lee (South Korea)</i>	P15.17
P16: First trimester anatomy	Hall C1
Cystic hygroma: prenatal diagnosis and outcome <i>M. Manoharan (United Kingdom)</i>	P16.01
Increased nuchal translucency (NT>5mm) and cystic hygroma: natural history and neonatal outcome <i>M. Manoharan (United Kingdom)</i>	P16.02
Pregnancy outcome in fetuses with increased nuchal translucency: 2 years experience in a referral centre <i>S. Boito (Italy)</i>	P16.03
Significance of 2.5–3.5 mm NT measurements <i>A. Lysikiewicz (USA)</i>	P16.04
Diagnosis of fetal structural abnormalities at the 11–14 week scan <i>L. Bussamra (Brazil)</i>	P16.05
Nuchal translucency and other US markers in cases of trisomy 18 <i>M. Angiolucci (Italy)</i>	P16.06
Developmental mechanisms of the human head, nose and brain: a study using contemporary visualization techniques <i>J. Jirasek (Czech Republic)</i>	P16.07
Is the “delta sign” a useful three-dimensional ultrasound marker in the assessment of fetal hard palate during 11–14 weeks scan? <i>G. Centini (Italy)</i>	P16.08
Partial hydatidiform mole co-existent with an omphalocele – case report <i>V. Ribeiro (Portugal)</i>	P16.09
First trimester prenatal diagnosis of the Meckel–Gruber syndrome – case presentation <i>A. Kucinska-Chahwan (Poland)</i>	P16.10
Absent ductus venosus in the 11–14 week scan <i>C. Martínez-Payo (Spain)</i>	P16.11
Intraabdominal cysts in first trimester fetus <i>S. Hottner (Germany)</i>	P16.12
Prenatal diagnosis of hypophosphatasia by demonstration of osteochondral spurs with 2-D and 3-D ultrasound: a case report <i>C. Hsieh (Taiwan)</i>	P16.13
Early diagnosis of diastrophic dysplasia <i>E. Racanska (Czech Republic)</i>	P16.14
Very low level of PAPP-A associated with normal nuchal translucency in fetus with type II triploidy <i>D. Albu (Romania)</i>	P16.15
Fetal gender determination at 12–14 weeks of pregnancy using the “axial view” <i>P. Nowak (Brazil)</i>	P16.16
P17: Second trimester fetal anomalies	Hall C2
Fetal gender: a case of discrepancy between amniocentesis and ultrasound examination <i>J. Duyos (Spain)</i>	P17.01
Fetal malformations features in the fetal medicine unit of the Federal University of Sao Paulo <i>L. Nardoza (Brazil)</i>	P17.02
Ultrasound demonstration of the fetal palate – the accuracy of prenatal diagnosis and fetal outcome <i>L. Gindes (Israel)</i>	P17.03

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	Abstract number
The outcomes of cleft lip and palate detected in the second trimester <i>A. McKelvey (United Kingdom)</i>	P17.04
Congenital laryngeal atresia: prenatal diagnosis and management. A retrospective French study of 7 cases <i>G. Haddad (France)</i>	P17.05
Congenital megalourethra – sonographic features & outcome <i>G. Ryan (Canada)</i>	P17.06
Prenatal diagnosis of an arteriovenous malformation of an aberrant right subclavian artery associated with Poland syndrome <i>J. Gebb (USA)</i>	P17.07
Prenatal ultrasound findings of Wolman's disease: a case report <i>M. Sood (USA)</i>	P17.08
Prenatal diagnosis of atraumatic fetal subdural hematoma in the second trimester <i>E. Anastasakis (Greece)</i>	P17.09
Newly described mutation in the SOS1 gene as a possible reason for generalized hydrops fetalis <i>I. Bedei (Germany)</i>	P17.10
Abdominal wall defects: a retrospective study on neonatal outcome <i>C. Zanardini (Italy)</i>	P17.11
Whirlpool sign associated with abnormal fetal heart rate pattern in prenatal volvulus <i>F. Lenz (Germany)</i>	P17.12
Prenatal detection of fetal uterine malformation: report of 3 cases, diagnosis and outcome <i>K. Yusupov (Russia)</i>	P17.13
Omphalocele, microtia, asymmetry of the face, micrognathia, ventricular septal defect, single umbilical artery <i>S. Boito (Italy)</i>	P17.14
Fetus-in-fetu – an ultrasound examination <i>O. Eremina (Russia)</i>	P17.15
Ectrodactyly-ectodermal dysplasia-clefting syndrome: 3D US findings, complete pathological examination and review of the literature <i>J. Bault (France)</i>	P17.16
Genetic recurrence risk of urinary tract abnormality: is it possible to screen? <i>L. Giorgi (Italy)</i>	P17.17
Holt-Oram-syndrome <i>S. Rehkugler (Spain)</i>	P17.18
Prenatal ultrasound diagnosis of Larsen syndrome <i>M. Qian (China)</i>	P17.19
Unusual sonographic findings in a fetus with cytomegalovirus infection <i>A. Weichert (Germany)</i>	P17.20

P18: Fetal interventions

	Hall E
Severe twin–twin transfusion syndrome therapy with selective fetoscopic laser photocoagulation of superficial placental anastomoses – initial experience <i>R. Ruano (Brazil)</i>	P18.01
The human chorionic gonadotropin and fetoscopic laser photocoagulation for twin–twin transfusion syndrome <i>M. Hanaoka (Japan)</i>	P18.02
Reverse twin–twin transfusion syndrome after fetoscopic laser photocoagulation of chorionic anastomoses: a case report <i>T. Wataganara (Thailand)</i>	P18.03
Application of 3D/4D cardiac functional parameters to evaluation and management of MCDA twins <i>B. Messing (Israel)</i>	P18.04
Vaginal pessary in complicated monochorionic (MC) twins with short cervix that have been treated with fetoscopy <i>E. Carreras (Spain)</i>	P18.05
Clinical trials in fetal interventions: a post-hoc Bayesian analysis of the Eurofetus trial <i>J. Stirnemann (France)</i>	P18.06
Managing severe fetal anemia due to a new form of $\epsilon\gamma\delta\beta$ thalassemia in a Nordic family: intrauterine transfusions prior to final diagnosis <i>A. Brantberg (Norway)</i>	P18.07
Does in-utero transfusion for homozygous α^0 -thalassaemia depend on hemoglobin level alone? <i>K. Leung (China)</i>	P18.08
Antenatal diagnosis and treatment of fetal goiter with a single intra-amniotic injection of L-thyroxine – a case report <i>Y. Goldberg (Israel)</i>	P18.09
Prenatal diagnostic, treatment and postnatal outcome of megavesica: an interdisciplinary approach <i>B. Schiessl (Germany)</i>	P18.10
Posterior urethral valve: two cases of nephro-amniotic shunt <i>M. Kim (South Korea)</i>	P18.11
Maternal mirror syndrome associated with fetal Noonan syndrome <i>A. Mulic-Lutvica (Sweden)</i>	P18.12
Perioperative complication with the double basket catheter in fetal thoracoamniotic shunt <i>M. Matsushita (Japan)</i>	P18.14

Posters – Wednesday 16 September 2009

	Abstract number
Successful ablation of complicated placental chorioangioma using ethyl alcohol as a sclerosant <i>P. Dar (USA)</i>	P18.15
Chorioangioma, non-immunologic hydrops foetalis (NIHF), mirror syndrome and post partum cardiomyopathy – a case report <i>B. Hollwitz (Germany)</i>	P18.16
Coagulation of feeding vessels with bipolar cautery in a large placental chorioangioma: case report <i>R. Has (Turkey)</i>	P18.17
Fetal intracranial pressure assessment: describing the technique <i>K. Haratz (Brazil)</i>	P18.18
Prenatal invasive diagnosis and counseling: what changes in the years? A south Italian referral centre's experience <i>R. Napolitano (Italy)</i>	P18.19
Prevention of early fetal alloimmune haemolytic disease and infusion of high dose of immunoglobulin <i>L. Giorgi (Italy)</i>	P18.20
4D vs 2D ultrasound-guided amniocentesis <i>G. Centini (Italy)</i>	P18.21
P19: Fetal growth assessment	Hall F
Expanded singleton first trimester fetal biometry <i>L. Platt (USA)</i>	P19.01
Placental volume calculations using XI VOCAL at 7 to 10 weeks <i>P. Nowak (Brazil)</i>	P19.02
The relationship between early first trimester PAPP-A and birthweight percentiles <i>O. Habayeb (United Kingdom)</i>	P19.03
New automated quantitative measurement of PP13 from maternal serum <i>K. Sippola (Finland)</i>	P19.04
Longitudinal estimation of fetal growth by ultrasound: a new proposal for the assessment of intrauterine growth restriction <i>J. Nien (Chile)</i>	P19.05
Learning curve of the measurement of fetal biometry by two-dimensional and three-dimensional ultrasonography <i>F. Yang (China)</i>	P19.06
Fetal biometric measurements by two-dimensional and three-dimensional ultrasonography by an inexperienced operator <i>F. Yang (China)</i>	P19.07
Prospective validation of fetal weight estimation models using fractional limb volume <i>W. Lee (USA)</i>	P19.08
Fetal weight estimation by measurement of fetal thigh soft tissue thickness (STT) before delivery <i>L. Eslamian (Iran)</i>	P19.09
Accuracy of detection of small for gestational age fetuses by ultrasound scan <i>P. Somaiya (United Kingdom)</i>	P19.10
The accuracy of birth weight estimation using two-dimensional ultrasonography in extremely small fetuses <i>R. Jawan (Malaysia)</i>	P19.11
The new formula to estimate fetal weight in diabetic pregnancies <i>H. Yang (South Korea)</i>	P19.12
P20: IUGR	Hall F
Growth deficit in term small-for-gestational fetuses with normal umbilical artery Doppler is associated with adverse outcome <i>M. Illa (Spain)</i>	P20.01
The relationship between abdominal circumference and middle cerebral artery Doppler z-scores in severe early onset fetal growth restriction <i>A. Talmor (United Kingdom)</i>	P20.02
Clinical progression to stillbirth in fetal growth restriction <i>A. Baschat (USA)</i>	P20.03
Three-dimensional (3D) power Doppler ultrasound blood flow indices in the assessment of placental, renal and cerebral perfusion in growth restricted fetuses <i>T. Loureiro (Portugal)</i>	P20.04
The nucleated red blood cell counts in the cord blood with intrauterine growth restriction in term pregnancy <i>K. Yong Mi (South Korea)</i>	P20.05
Myometrial blood flow analysis in pregnant women with IUGR <i>T. Waseda (Japan)</i>	P20.06
Doppler study in intrauterine growth restricted fetuses <i>L. Almeida Toledano (Spain)</i>	P20.07
Hypertensive disorders in pregnancy and Doppler fluximetry of the umbilical artery <i>S. Lulaj (Albania)</i>	P20.08
The impact of low maternal plasma glucose level after glucose challenge test on fetal growth <i>M. Paszkowski (Poland)</i>	P20.09

Posters – Wednesday 16 September 2009

Abstract number

P21: Ovarian pathology and imaging in oncology

Primary serous adenocarcinoma of the fallopian tube: case report <i>W. Wong (Singapore)</i>	Hall 4 P21.01
Echographic diagnosis of adnexa actinomycosis <i>E. Fedorova (Russia)</i>	P21.02
Giant teratoma of the ovary – a rare report <i>M. Bernardo (Portugal)</i>	P21.03
Usefulness of standard deviation on the histogram of ultrasound as a quantitative value for intra ovarian tumor fluid echo texture; preliminary study <i>T. Umezu (Japan)</i>	P21.04
Borderline mucinous ovarian neoplasm in association with appendiceal mucinous cystadenoma: case report <i>L. Mok (Singapore)</i>	P21.05
Does spherical sample size affect the reproducibility of three-dimensional power Doppler indexes measurement? <i>J. Alcazar (Spain)</i>	P21.06
The prognostic value of 2D/3D ultrasonographic appearance in evaluation of volume of tumor in cervical cancer neoplasia <i>D. Diamantopoulos (Greece)</i>	P21.07
Ovarian metastasis as the initial presentation of intestinal non-Hodgkin's lymphoma: an unusual case report <i>O. Nieto (Spain)</i>	P21.08
Sonographic appearance of epithelioid trophoblastic tumor <i>M. Okumura (Brazil)</i>	P21.09
A patient encounter form improves gynecological teleradiology reporting <i>R. Sanders (USA)</i>	P21.10
Intratumoral blood flow in cervical cancer as assessed by transvaginal color Doppler ultrasonography. Correlation with tumor characteristics <i>D. Diamantopoulos (Greece)</i>	P21.11



Don't forget to complete your evaluation form for the sessions you have attended; certificates of attendance can be collected from the registration desk from Wednesday 16 September.

Program – Thursday 17 September 2009

07:30–08:15 All you ever wanted to know about... posterior fossa abnormalities# Hall C1
G. Pilu (Italy)

07:30–08:15 All you ever wanted to know about... how to get the most out of your 3D volume# Hall C2
R. Chaoui (Germany)

08:30–09:00 Thursday: State of the art lecture Hall 3
Chair: A. Abuhamad (USA)

08:30 A diagnostic approach to fetal syndromes
B. Benacerraf (USA)

Dr. Benacerraf received her MD in 1976 from Harvard Medical School, and served as an intern at Peter Bent Brigham Hospital, as a resident at Massachusetts General Hospital, and as a fellow in ultrasound and computed tomography at Brigham and Women's Hospital. During her 28-year academic affiliation with Harvard Medical School, she has risen to the rank of clinical professor in obstetrics, gynecology, and reproductive biology and in radiology. Active in the ultrasound community, Dr. Benacerraf has directed and organized a host of postgraduate ultrasound courses including the biannual Harvard Medical School Advanced Sonography in OB GYN Symposium that she initiated in 1991. Among her many roles in the ultrasound community, she is an elected fellow of the American College of Radiology and the Society of Radiologists in Ultrasound, treasurer of the World Federation for Ultrasound in Medicine and Biology, and a board member of the International Society of Ultrasound in Obstetrics and Gynecology and of the Maternal Fetal Medicine Foundation. Dr. Benacerraf is also the medical director and president of Diagnostic Ultrasound Associates, PC, a medical practice that she founded in 1982. Dr. Benacerraf did the original research that linked nuchal thickening directly to an increased risk for fetal Down syndrome in 1985 and developed the genetic sonogram both of which have changed the way all pregnant women are currently screened for fetal Down syndrome. She has served as Editor in Chief of the Journal of Ultrasound in Medicine since 2000. Her contributions to the field of diagnostic ultrasound have been recognized by the receipt of the Ian Donald Gold Medal of the International Society of Ultrasound in Obstetrics and Gynecology, the Joseph Holmes Pioneer award (2008) of the American Institute of Ultrasound. She was selected to deliver the Silver Lecture at Barnard College in 2007, and received the 2008 Marie Curie Award from the Association of Women Radiologists.

09:00–10:00 Fetal growth Hall 3
Chairs: L. Salomon (France); C. Lees (United Kingdom)

09:00 Live scan demonstration: 2D and 3D sonographic assessment of fetal growth and weight (supported by Philips Healthcare*)
W. Lee (USA)

09:20 Fetal weight estimation in fetuses of 1500g or less OC26.01
H. Abele; N. Wagner; M. Nauth; D. Wallwiener; K. Kagan (Germany)

09:25 Discussion

09:28 Fetal weight estimation in pregnancy complicated by obesity: comparison between conventional and a new 3D ultrasound method OC26.02
B. Rovetto; N. Palai; S. Zatti; A. Lojaco; F. Prefumo; T. Frusca (Italy)

09:33 Discussion

09:36 Derivation of new fetal weight estimation models using fractional limb volume OC26.03
W. Lee; M. Balasubramaniam; R. Deter; L. Yeo; S. Hassan; F. Gotsch; J. Kusanovic; L. Goncalves; R. Romero (USA)

09:41 Discussion

09:44 Clinical utility of customized IUGR standard in a low risk population OC26.04
*J. Zhang¹; R. Mikolajczyk^{1,2}; W. Sun¹; J. Grewal¹; M. Klebanoff³; M. Meriardi³
¹(USA); ²(Germany); ³(Switzerland)*

09:49 Discussion

09:52 Third trimester sonographic screening for SGA: accuracy and benefit in a 2000 mother-child cohort OC26.05, OC26.06
C. Lamy; O. Thiebaugeorges; V. Goua; M. Kaminski; P. Droulle; B. Foliguet; G. Magnin; M. Charles (France)

09:57 Discussion

09:00–10:00 The postmenopausal endometrium Hall 4
Chairs: T. Van den Bosch (Belgium); F. Leone (Italy)

09:00 Assessing the endometrium of women taking hormonal therapy
E. Ferrazzi (Italy)

09:15 A practical management strategy for women with postmenopausal bleeding
E. Epstein (Sweden)

09:30 Ultrasound diagnosis of extragenital abdominopelvic tumors OC27.01
D. Fischerova; M. Zikan; I. Pinkavova; P. Dundr; P. Calda; D. Cibula (Czech Republic)

09:35 Discussion

09:38 Assessing myometrial infiltration by endometrial cancer: uterine virtual navigation with three-dimensional ultrasound OC27.02
J. Alcazar; S. Albela; R. Galvan (Spain)

'All you ever wanted to know' sessions must be pre-booked; please see the registration desk for details.

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

Program – Thursday 17 September 2009

09:43	Discussion	
09:46	Myometrial invasion of endometrial cancer: comparison of 3D US and RM imaging <i>S. Albelá; S. Martínez-Roman; J. Pahisa; B. Puerto; M. Sanchez (Spain)</i>	OC27.03
09:51	Discussion	
09:54	Saline contrast sonohysterography with liquid-based endometrial cytology in postmenopausal patients <i>F. Leone; C. Marcianite; A. Crepaldi; F. Pagano; M. Antonacci; G. Tosi; E. Ferrazzi (Italy)</i>	OC27.04
09:59	Discussion	

10:05–10:50 Chaired oral poster discussions

OP25: Preterm labour	Hall B2
<i>Chairs: Z. Alfircvic (United Kingdom); B. Arabin (Germany)</i>	
OP26: Obstetric management (cord, placenta)	Hall C1
<i>Chairs: B. Hackelöer (Germany); E. Hernandez (Mexico)</i>	
OP27: Fetal weight and growth assessment	Hall C2
<i>Chairs: M. Merialdi (Switzerland); R. Schild (Germany)</i>	
OP28: First trimester fetal echocardiography	Hall E
<i>Chairs: J. Carvalho (United Kingdom); K. Heling (Germany)</i>	
OP29: Multiple pregnancy II	Hall F
<i>Chairs: F. Figueras (Spain); C. Berg (Germany)</i>	
OP30: Abnormal uterine bleeding: uterine and endometrial pathology and endometriosis	Hall 4
<i>Chairs: T. Van den Bosch (Belgium); E. Dreisler (Denmark)</i>	

10:45–11:15 Coffee and poster viewing

11:15–12:30 Preterm labour Hall 3

	<i>Chair: Z. Alfircvic (United Kingdom); R. Romero (USA)</i>	
11:15	Early fetal growth rate, PAPP-A and free β -hCG in relation to preterm delivery <i>I. Kirkegaard; N. Uldbjer; T. Henriksen (Denmark)</i>	OC28.01
11:20	Discussion	
11:23	Low levels of PAPP-A in first trimester of pregnancies conceived after ART and the prediction of adverse obstetric outcome <i>A. Gjerris; A. Loft; A. Tabor; M. Christiansen; A. Pinborg (Denmark)</i>	OC28.02
11:28	Discussion	
11:31	Cervical length in the first trimester: sonographic definition, normal ranges and correlation with pregnancy outcome <i>L. Salomon; J. Bernard; A. Podjaski; Y. Ville (France)</i>	OC28.03
11:36	Discussion	
11:39	Usefulness of cervical assessment and uterine artery Doppler as screening test for spontaneous early preterm delivery during the first trimester of pregnancy <i>M. Parra-Cordero; R. Caballero; G. Juarez; R. Terra; M. Rodriguez; G. Rencoret (Chile)</i>	OC28.04
11:44	Discussion	
11:47	Sonographic "sludge" and "pseudo-sludge": microbiologic, molecular, immunologic and histologic features <i>J. Kusanovic; R. Romero; P. Mittal; C. Nhan-Chang; E. Vaisbuch; O. Erez; C. Kim; L. Goncalves; S. Mazaki-Tovi; T. Chaiworapongsa; F. Gotsch; L. Yeo; S. Hassan (USA)</i>	OC28.05
11:52	Discussion	
11:55	Cervical ultrasound to identify the patient who may benefit from progestagens to prevent preterm birth <i>R. Romero (USA)</i>	
12:25	Discussion	

11:15–12:30 Case examples and 'just images' Hall 4

	<i>Chairs: N. Raine-Fenning (United Kingdom); G. Condous (Australia)</i>	
11:15	Using ultrasound to select patients for surgery in urogynecology <i>M. Konstantinovic (Belgium); J. Deprest (Belgium)</i>	
11:35	The features of specific subgroups of ovarian pathology <i>L. Savelli (Italy); D. Timmerman (Belgium)</i>	
11:55	Assessing the extent of gynecological malignancies <i>A. Testa (Italy); D. Fischerova (Czech Republic)</i>	
12:15	Discussion	

12:30–14:00 Lunch and poster viewing

What inspired our ultrasound innovation? Seeing a kick before feeling it.

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The Philips HD9 ultrasound system allows you to capture meaningful clinical information – including 3D/4D – that helps you make confident decisions efficiently and easily. To learn more, please visit us at booth No. 222 at ISUOG 2009.

*Because our innovations are inspired by you.

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Program – Thursday 17 September 2009

12:30–13:15 Chaired oral poster discussions

OP31: Aneuploidy and other fetal anomalies in the second and the third trimesters	Hall B2
<i>Chairs: R. Becker (Germany); A. Gagnon (Canada)</i>	
OP32: Obstetric management	Hall C1
<i>Chairs: T. Lau (China); T. Ghi (Italy)</i>	
OP33: 3D/4D/STIC fetal echocardiography	Hall E
<i>Chairs: R. Chaoui (Germany); B. Tutschek (Switzerland)</i>	
OP34: Multiple pregnancy III	Hall F
<i>Chairs: P. Calda (Czech Republic); L. Lewi (Belgium)</i>	
OP35: Early pregnancy and other gynecological ultrasound	Hall 4
<i>Chairs: G. Condous (Australia); J. Yazbek (United Kingdom)</i>	

13:15–14:00 Poster discussions

P22: Second and third trimesters II	Hall B2
P23: Obstetric outcomes and improvements	Hall C1
P24: 3D/4D/STIC fetal echocardiography	Hall E
P25: Fetal echocardiography: impact of prenatal diagnosis	Hall E
P26: Multiple pregnancy	Hall F
P27: Abnormal uterine bleeding: uterine and endometrial pathology and endometriosis	Hall 4

14:00–15:30 IUGR and fetal assessment

Hall 3

	<i>Chairs: A. Baschat (USA); A. Papageorgiou (United Kingdom)</i>	
14:00	Live scan demonstration: assessment of fetal wellbeing (supported by Siemens AG*) <i>E. Gratacós (Spain)</i>	
14:20	Association between first trimester PAPP-A and adverse pregnancy outcome <i>A. Hagen; M. Albig; R. Becker; A. Gasioerek-Wiens; M. Entezami (Germany)</i>	OC29.01
14:25	Discussion	
14:28	Serum YKL-40 – a potential new biomarker for preeclampsia and intrauterine growth restriction <i>D. Brask; E. Høgdaal; J. Johansen; L. Skibsted (Denmark)</i>	OC29.02
14:33	Discussion	
14:36	The Doppler cerebroplacental ratio predicts risk of non-reassuring fetal status for fetal growth restriction in term pregnancy <i>S. Murata; M. Nakata; M. Sumie; N. Sugino (Japan)</i>	OC29.03
14:41	Discussion	
14:44	Aortic wall thickness and blood pressure levels in children that were intrauterine growth restricted <i>E. Cosmi; S. Visentin; V. Zanardo; T. Fanelli (Italy)</i>	OC29.04, OC29.05
14:49	Discussion	
14:52	Association between myocardial dysfunction/damage and perinatal death in IUGR fetuses <i>F. Crispi; E. Hernandez-Andrade; E. Eixarch; E. Gratacós (Spain)</i>	OC29.06
14:57	Discussion	
15:00	Longitudinal changes in cerebral blood perfusion in full-term small-for-gestational-age fetuses <i>R. Cruz-Martinez; F. Figueras; E. Meler; E. Hernandez; E. Gratacós (Spain)</i>	OC29.07
15:05	Discussion	
15:08	Extended antenatal fetal-ECG monitoring in high-risk patients <i>J. Miller; T. Dennis; J. Kopelman; C. Harman; A. Baschat (USA)</i>	OC29.08
15:13	Discussion	
15:16	Abnormal brain microstructure in small for gestational age term fetuses with normal umbilical artery Doppler <i>M. Sanz-Cortés; F. Figueras; N. Bargallo; N. Padilla; I. Amat-Roldan; E. Gratacós (Spain)</i>	OC29.09
15:21	Discussion	
15:24	Abnormal brain metabolism in small for gestational age term fetuses with normal umbilical artery Doppler <i>M. Sanz-Cortés; F. Figueras; N. Bargallo; N. Padilla; I. Amat-Roldan; E. Gratacós (Spain)</i>	OC29.10
15:29	Discussion	

14:00–15:30 Using ultrasound to assess urogynecology patients

Hall 4

	<i>Chairs: J. Deprest (Belgium); M. Konstantinovic (Belgium)</i>	
14:00	Translating the results of imaging into clinical management in urogynecology <i>J. Deprest (Belgium)</i>	
14:15	The use of 3D ultrasound to assess the pelvic floor <i>A. Steensma (Netherlands)</i>	
14:30	Vaginal wall thickness is related to the degree of vaginal prolapse <i>D. Panayi; V. Khullar; R. Fernando; G. Digesu; P. Tekkis (United Kingdom)</i>	OC30.01

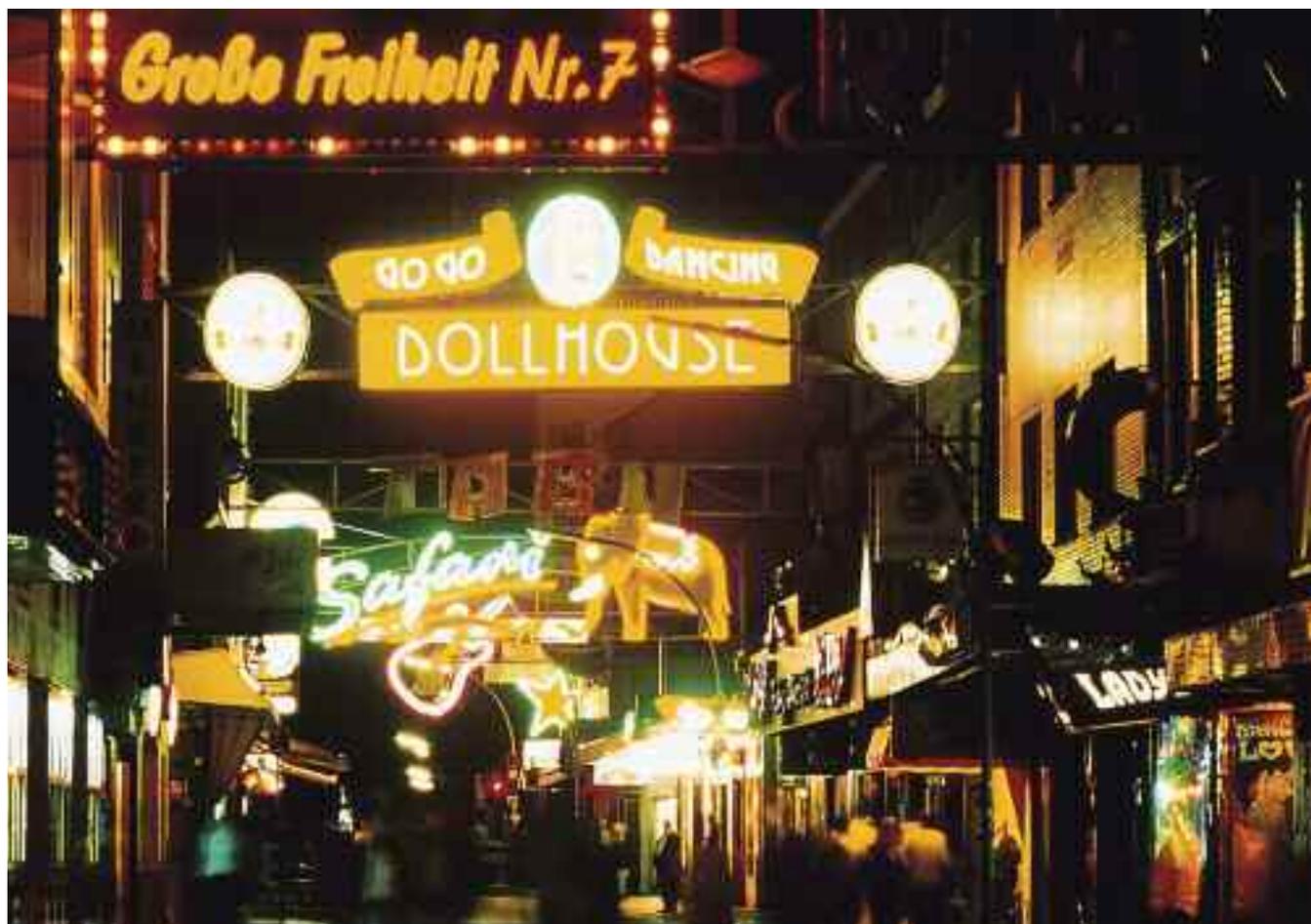
Program – Thursday 17 September 2009

14:35	Discussion	
14:38	Changes in the female anal channel during voluntary squeeze assessed by vaginal ultrasound <i>I. Olsen; T. Wilsgaard; T. Kiserud (Norway)</i>	OC30.02
14:43	Discussion	
14:46	The impact of first delivery on the levator hiatus and the urogenital hiatus <i>A. Sakse¹; N. Secher¹; M. Starck²</i> <i>¹(Denmark); ²(Sweden)</i>	OC30.03
14:51	Discussion	
14:54	Does the levator ani change in appearance? <i>V. Eisenberg; M. Alcalay; G. Bitman; R. Achiron (Israel)</i>	OC30.04
14:59	Discussion	
15:02	Relationship between ultrasound measurements of tissue thickness, manometry and multichannel sEMG of the external anal sphincter <i>C. Cescon; I. Destefano; M. Ferronato; M. Scaglia; R. Merletti (Italy)</i>	OC30.05
15:07	Discussion	
15:09	Long term follow-up of women with 3rd and 4th degree perineal tears using transperineal ultrasound <i>V. Eisenberg; M. Alcalay; G. Bitman; R. Achiron (Israel)</i>	OC30.06
15:14	Discussion	
15:16	The fascial defect theory for vaginal prolapse is not supported by ultrasound measurement of vaginal wall thickness <i>D. Panayi; P. Tekkis; R. Fernando; G. Digesu; V. Khullar (United Kingdom)</i>	OC30.07
15:21	Discussion	
15:23	Bladder wall thickness to assess if anticholinergics work via the sensory or motor route <i>D. Panayi; V. Khullar; R. Fernando; P. Tekkis (United Kingdom)</i>	OC30.08
15:28	Discussion	

15:30–16:00 Closing beers!

Hall 3 foyer

See you in Prague!



Posters – Thursday 17 September 2009

Oral poster presentations

Chaired oral poster sessions 10:05–10:50

Viewing available all week on poster pods

Abstract number

OP25: Preterm labour

Hall B2

Chairs: Z. Alfirevic (United Kingdom); B. Arabin (Germany)

Cervical immune response as a predictor of preterm birth

OP25.01

T. Stampalija (United Kingdom)

Abnormal vaginal flora (AVF) and cervix length (CL) as risk factors for preterm birth (PTB)

OP25.02

G. Donders (Belgium)

Sonographic cervical length measurement in asymptomatic pregnant women carrying Arabin's pessary

OP25.03

M. Goya (Spain)

An asymptomatic "complete funnel" of the cervix in the second trimester of pregnancy: how bad is it?

OP25.04

E. Vaisbuch (USA)

Ultrasound-indicated cerclage for prevention of preterm delivery in primiparas following treatment of cervical intraepithelial neoplasia

OP25.05

S. Taher (United Kingdom)

Effects of the cerclage on cervical length estimated by transvaginal ultrasound and the impact of these variations on prematurity

OP25.06

S. Herbst (Brazil)

Biochemical markers in preterm delivery

OP25.07

D. Paternoster (Italy)

Cervical length and gestational age at admission as predictors of intra-amniotic inflammation in preterm labor with intact membranes

OP25.08

M. Palacio (Spain)

Sonographic measurement of cervical length in predicting intra-amniotic inflammation in women with preterm labor: a comparison with tests using maternal blood and amniotic fluid

OP25.09

H. Jung (South Korea)

Ultrasound findings and perinatal outcomes in women admitted with advanced Bishop score

OP25.10

M. Martínez Terrón (Spain)

OP26: Obstetric management (cord, placenta)

Hall C1

Chairs: B. Hackelöer (Germany); E. Hernandez (Mexico)

The relationship between cord centrality index and eccentricity in the term placenta

OP26.01

S. Pathak (United Kingdom)

Antenatal diagnosis of nuchal cord

OP26.02

F. Chen (Germany)

Vasa previa: prenatal diagnosis and neonatal outcome

OP26.03

A. Bergann (Germany)

Placenta accreta: improved maternal outcome with antenatal screening, diagnosis and topographic assessment

OP26.04

H. Wong (Australia)

An evaluation of sonographic criteria for placenta accreta

OP26.05

H. Wong (Australia)

Comparison of postpartum endometrial US findings according to gestational age or delivery methods

OP26.06

S. Hong (South Korea)

Lean umbilical cord: reference nomograms for postnatal verification

OP26.07

C. Gagaev (Russia)

A micro-analytic evaluation of parents watching a non-diagnostic ultrasound-based video of their fetus at mid-gestation

OP26.08

W. Stadlmayr (Switzerland)

Influence of an ultrasound consultation on maternal feelings and interactive behavior

OP26.09

Z. Boukydis (USA)

OP27: Fetal weight and growth assessment

Hall C2

Chairs: M. Merialdi (Switzerland); R. Schild (Germany)

Third trimester fetal arm and thigh fat mass: their relationship to estimated fetal weight, birth weight and neonatal body composition

OP27.01

W. Lee (USA)

Fetal weight estimation with 3D ultrasound in large fetuses is more accurate than with 2D ultrasound

OP27.02

G. Lindell (Sweden)

3D lumbar column length: new parameter for fetal weight estimation? Performance comparison with femur length

OP27.03

M. Yamamoto (Chile)

New sonographic weight formulae for different ranges of fetal abdominal circumference

OP27.04

J. Siemer (Germany)

Customized versus population-based standards at a routine third-trimester ultrasound for prediction of SGA at birth

OP27.05

P. Sokol (Spain)

A second blinded operator does not improve accuracy in macrosomy diagnosis

OP27.06

M. Yamamoto (Chile)

Posters – Thursday 17 September 2009

	Abstract number
The relationship between abdominal circumference and umbilical artery Doppler z-scores in severe early onset fetal growth restriction <i>A. Talmor (United Kingdom)</i>	OP27.07
Late intrauterine growth restriction in HIV pregnant women in developed countries <i>T. Frusca (Italy)</i>	OP27.08
The relationship between placental circumference, placental weight and birth weight at term <i>S. Pathak (United Kingdom)</i>	OP27.09
OP28: First trimester fetal echocardiography	Hall E
<i>Chairs: J. Carvalho (United Kingdom); K. Heling (Germany)</i>	
Pilot study comparing ex-vivo HREM imaging and in-vivo 4DHRTV ultrasound of the first trimester human fetal heart <i>L. Gindes (Israel)</i>	OP28.01
The role of first trimester ultrasound in the early diagnosis of congenital heart defects in an unselected Lebanese population <i>R. Abu-Rustum (Lebanon)</i>	OP28.02
Routine cardiac evaluation at 11–14 weeks scan <i>M. Zvanca (Romania)</i>	OP28.04
Early fetal echocardiography in daily routine practice <i>M. Krapp (Germany)</i>	OP28.05
Fetal cardiac axis in the first and early second trimester of pregnancy <i>E. Sinkovskaya (USA)</i>	OP28.06
Efficacy of routine transabdominal fetal heart screening at the time of NT measurements: role of high-definition blood flow imaging mode <i>M. Bellotti (Italy)</i>	OP28.07
Early fetal echocardiography with high-resolution blood flow imaging <i>C. Celentano (Italy)</i>	OP28.08
Increased nuchal translucency and congenital heart defects: is there any association? <i>P. Delia Maria (Italy)</i>	OP28.09
OP29: Multiple pregnancy II	Hall F
<i>Chairs: F. Figueras (Spain); C. Berg (Germany)</i>	
Maternal cardiac function in complicated twin pregnancy: a longitudinal study <i>T. Ghi (Italy)</i>	OP29.01
Maternal cardiac function in uncomplicated twin pregnancy: a longitudinal study <i>M. Kuleva (Italy)</i>	OP29.02
One for two: fetal and placental weights of MC and DC twins <i>B. Tutschek (Switzerland)</i>	OP29.03
Placental vascularization by three-dimensional power Doppler in the twin-to-twin transfusion syndrome <i>A. Johnson (USA)</i>	OP29.04
First trimester fetal head and trunk volume to predict twin growth discordance at birth <i>R. Quintero (Spain)</i>	OP29.05
Mid-second trimester abdominal circumference ratio in a twin gestation predicts poor perinatal outcome <i>K. Han (South Korea)</i>	OP29.06
Early and late selective intrauterine growth restriction in monochorionic twins: Hospital Vall d'Hebron seven years experience <i>S. Arévalo (Spain)</i>	OP29.07
Short term outcome of MC twins with selective IUGR managed in a tertiary center <i>L. Hogen (Israel)</i>	OP29.08
Can ultrasound predict non-vertex presentation of the first twin at the time of delivery? <i>B. Rosenn (USA)</i>	OP29.09
Twins temperament: early prenatal sonographic assessment and postnatal correlation <i>S. Degani (Israel)</i>	OP29.10
OP30: Abnormal uterine bleeding: uterine and endometrial pathology and endometriosis	Hall 4
<i>Chairs: T. Van den Bosch (Belgium); E. Dreisler (Denmark)</i>	
Interobserver agreement on reporting uterine intracavity lesions at gel infusion sonography (GIS) <i>T. Van den Bosch (Belgium)</i>	OP30.01
The role of 3D ultrasound extended imaging in the evaluation of uterine myomas prior to surgical management <i>M. Momtaz (Egypt)</i>	OP30.02
Classification of submucous myomas using 3D multislice saline infusion sonohysterography and its correlation with hysteroscopy <i>S. Negm (Egypt)</i>	OP30.03
Comparison of endometrial thickness, uterine artery Doppler and subendometrial blood flow among users of different Progestin contraceptives <i>H. Gaafar (Egypt)</i>	OP30.04
The diagnostic value of endometrial volume and vascularity measurement by transvaginal three-dimensional ultrasonography and power Doppler angiography in patients with postmenopausal bleeding <i>R. Alberto (Italy)</i>	OP30.05

Posters – Thursday 17 September 2009

	Abstract number
Interest of pelvic magnetic resonance imaging for the pre therapeutic evaluation of symptomatic uterine fibroids: evaluation in 68 cases <i>O. Morel (France)</i>	OP30.06
Three dimensional saline infusion sonohysterography for the preoperative prediction of submucous fibroid resectability <i>D. Mavrelos (United Kingdom)</i>	OP30.07
The influence of gel-infusion on the vascularity of endometrial polyps <i>T. Van den Bosch (Belgium)</i>	OP30.08
VOCAL in the evaluation of the endometrium: a pilot study <i>T. Van den Bosch (Belgium)</i>	OP30.09
Extrauterine undifferentiated endometrioid stromal sarcoma arising in endometriosis of the rectovaginal septum of a postmenopausal patient with recent onset of pelvic pain <i>S. Guerriero (Italy)</i>	OP30.10
Gel instillation sonohysterography (GIS) and saline infusion sonohysterography (SIS): comparison of diagnostic accuracy <i>M. Bij de Vaate (Netherlands)</i>	OP30.11
The diagnostic value of transvaginal sonography compared to hysteroscopy in endometrial polyp and submucous fibroid detection <i>K. Jalinik (Poland)</i>	OP30.12
Transvaginal real time elastosonography for uterine fibroids diagnosis and mapping <i>O. Ami (France)</i>	OP30.13

Oral poster presentations

Chaired oral poster sessions 12:30–13:15

Viewing available all week on poster pods

OP31: Aneuploidy and other fetal anomalies in the second and third trimesters

Chairs: R. Becker (Germany); A. Gagnon (Canada)

	Abstract number
OP31: Aneuploidy and other fetal anomalies in the second and third trimesters <i>Hall B2</i>	
Prenatal ultrasound in the prediction of the need for bowel resection in infants with gastroschisis <i>E. Contro (United Kingdom)</i>	OP31.01
Pregnancy loss following genetic amniocentesis <i>A. Lysikiewicz (USA)</i>	OP31.02
Trends in fetal loss following second trimester amniocentesis – what women need to know <i>P. Tripathi (United Kingdom)</i>	OP31.03
Incidence and outcome of antenatally diagnosed skeletal dysplasia <i>F. Saeed (United Kingdom)</i>	OP31.04
Skeletal dysplasias: does first trimester NT measurement matter? <i>L. De Catte (Belgium)</i>	OP31.05
Prediction of postnatal renal function from fetal renal volume measured by 3D ultrasonography in fetal hydronephrosis near term – a preliminary study <i>K. Nam (South Korea)</i>	OP31.06
Specificity of hypocoiled umbilical cord in prediction of fetal trisomy 21 in the second trimester <i>N. Phithakwatchara (Thailand)</i>	OP31.07
Predicting perinatal outcome in 55 fetuses with isolated congenital diaphragmatic hernia using different 3DUS lung measurements <i>R. Ruano (Brazil)</i>	OP31.08
Performance and sensitivity of established first trimester markers in screening for trisomies 21, 18 and 13 at 15–18 weeks' gestation <i>A. Geipel (Germany)</i>	OP31.09
Congenital anomalies of fetal upper extremities: prenatal ultrasound diagnosis, significance and outcome <i>D. Paladini (Italy)</i>	OP31.10

OP32: Obstetric management

Chairs: T. Ghi (Italy); T. Lau (China)

	Abstract number
OP32: Obstetric management <i>Hall C1</i>	
Sonographic measurement of cervical length in predicting impending preterm delivery in patients with preterm premature rupture of membranes; a comparison with amniotic fluid tests <i>S. Kim (South Korea)</i>	OP32.01
Impact of amniotic fluid volume on the prognosis of preterm prelabour rupture of membranes from 30 to 36 weeks gestation <i>J. Coolen (Canada)</i>	OP32.02
Abnormal fetal general movements are transient in the majority of fetuses at high risk for preterm birth irrespective of the found moderate brain echogenicities <i>M. Bakker (Netherlands)</i>	OP32.04
Estimated fetal weight Z-score and amniotic fluid index as predictors of neonatal respiratory distress syndrome in indicated Cesarean preterm delivery <i>K. Lee (South Korea)</i>	OP32.05
The effect of maternal betamethasone on fetal and uteroplacental blood flow velocity waveforms <i>A. Thuring (Sweden)</i>	OP32.06

Posters – Thursday 17 September 2009

	Abstract number
Head circumference and birth height in the Helsinki ultrasound trial <i>K. Heikkilä (Finland)</i>	OP32.07
Maternal body composition as a predictor of fetal adiposity <i>N. Farah (Ireland)</i>	OP32.08
OP33: 3D/4D/STIC fetal echocardiography	Hall E
<i>Chairs: R. Chaoui (Germany); B. Tutschek (Switzerland)</i>	
Three-dimensional assessment of the coronal thoraco-abdominal plane in the anatomic assessment of fetuses with situs solitus and cardiopulmonary syndromes <i>D. Paladini (Italy)</i>	OP33.01
Fetal heart measurement assessed by 4D ultrasound using STIC combined with inversion mode – preliminary results <i>K. Ceglowska (Poland)</i>	OP33.03
Assessment of the arterial trunks relationship in prenatally diagnosed transposition of great arteries using STIC technology <i>M. Bennasar (Spain)</i>	OP33.04
The suitability of STIC for obtaining a 'second opinion': pilot study <i>B. Tutschek (Switzerland)</i>	OP33.05
Live three-dimensional fetal echocardiography: a preliminary experience <i>K. Leung (China)</i>	OP33.06
Dependence of three-dimensional ultrasound fetal cardiac volume measurement on orientation of probe with respect to the heart <i>M. Gooding (United Kingdom)</i>	OP33.07
Automated sonography: the best fit formula for the display of the aortic arch in the second trimester of pregnancy <i>E. Sinkovskaya (USA)</i>	OP33.08
Does 3D/4DUS improve diagnostic accuracy in congenital heart malformations? <i>S. Yagel (Israel)</i>	OP33.09
Apical and mid-muscular VSD in the fetus. Does it increase the risk of trisomy 21? <i>J. Carvalho (United Kingdom)</i>	OP33.10
OP34: Multiple pregnancy III	Hall F
<i>Chairs: P. Calda (Czech Republic); L. Lewi (Belgium)</i>	
Monochorionic twins: mode of delivery in a tertiary center with a strict policy of induced delivery prior to 37 weeks of gestation <i>L. Hogen (Israel)</i>	OP34.01
Cerebral blood flow in monochorionic diamniotic twins – normative values for peak systolic velocity from a longitudinal study <i>P. Klaritsch (Belgium)</i>	OP34.02
Assessment of cardiac assessment of the pump twin in pregnancies with an acardiac fetus <i>B. Nasr (France)</i>	OP34.03
Prenatal diagnosis of structural abnormalities in monochorionic and dichorionic twin pregnancies <i>K. Lato (Germany)</i>	OP34.04
Outcome of monochorionic diamniotic pregnancies followed at a single twin clinic <i>A. Fichera (Italy)</i>	OP34.05
Umbilical vein volume flow measurement in monochorionic twins <i>J. Chung (South Korea)</i>	OP34.06
Is a short cervix initially diagnosed in the early third trimester a risk factor for subsequent histologic chorioamnionitis and preterm delivery in twin gestations? <i>W. Kang (South Korea)</i>	OP34.07
Cervical cerclage in asymptomatic twin pregnancies with short cervix does not increase the admission to delivery interval <i>M. Yamamoto (Chile)</i>	OP34.08
Vaginal progesterone after multifetal pregnancy reductions <i>B. Bingol (Turkey)</i>	OP34.09
Outcome of monochorionic twins according to amnionity <i>E. Contro (United Kingdom)</i>	OP34.10
OP35: Early pregnancy and other gynecological ultrasound	Hall 4
<i>Chairs: G. Condous (Australia); J. Yazbek (United Kingdom)</i>	
Transrectal ultrasound guided surgical evacuation of Cesarean scar ectopic pregnancy <i>T. Bignardi (Australia)</i>	OP35.01
Three-dimensional evaluation of the dominant ovary in pregnancies of unknown location <i>T. Bignardi (Australia)</i>	OP35.02
First trimester ultrasound accuracy depends more on serum hCG values, than patient symptoms <i>K. Barnhart (USA)</i>	OP35.03
Prediction of location of a nonviable pregnancy when ultrasound is nondiagnostic <i>K. Barnhart (USA)</i>	OP35.04
Developing the novel semi automated method of measuring embryo volumes <i>S. Sur (United Kingdom)</i>	OP35.05

Posters – Thursday 17 September 2009

	Abstract number
The new "21-day rule" – ultrasound error in CRL estimation, time interval and performance of the new "K-P" CRL growth formula <i>J. Riemke (Australia)</i>	OP35.06
Are all the papillae equals? An analysis of ovarian masses with papillary projections <i>S. Giunchi (Italy)</i>	OP35.07
3D-sonographic relationships in patients with endometriosis associated with chronic pelvic pain <i>A. Lvova (Russia)</i>	OP35.08

Posters (view only)

Poster discussion 13:15–14:00

Viewing available all week on poster pods

P22: Second and third trimesters II

	Abstract number
Fetal diagnosis of inferior vena cava and renal vein's thrombosis: a case report and literature review <i>O. Thiebaugeorges (France)</i>	Hall B2 P22.01
Neonatal outcome and prognostic factors in fetal isolated pleural effusion <i>D. Ju (South Korea)</i>	P22.02
Casuistic of fetal and neonatal hydrops <i>I. Rocha (Portugal)</i>	P22.03
Renal artery duplication: two cases <i>M. Miranda (Italy)</i>	P22.04
Report of a prenatal diagnosis of Scimitar syndrome: a case report <i>L. Caicedo (Chile)</i>	P22.05
Prenatal bowel dilatation: congenital chloride diarrhea: a case report <i>S. Kim (South Korea)</i>	P22.06
Umbilical vein varix – successful fetal outcome by delivery at 34 weeks <i>H. Samarage (United Kingdom)</i>	P22.07
Meconium peritonitis: prenatal diagnosis and postnatal outcome <i>B. Kang (South Korea)</i>	P22.08
Sonographic imaging of the fetal hard palate during 2nd trimester pregnancy scan: setting the standard for three-dimensional sonography <i>G. Centini (Italy)</i>	P22.09
Bladder exstrophy – pitfalls for a false diagnosis, case report <i>A. Alves (Portugal)</i>	P22.10
Prenatal sonographic diagnosis and differential diagnosis of a "buried penis" <i>I. Timor-Tritsch (USA)</i>	P22.11
Antenatal diagnosis of amniotic band syndrome – case report <i>S. Kabra (India)</i>	P22.12
Prenatal manifestation of Hirschsprung's disease <i>M. Respondek-Liberska (Poland)</i>	P22.14
Unguarded tricuspid valvar orifice in a fetus with right ventricular cardiomyodysplasia <i>P. Klemm (Germany)</i>	P22.15
The umbilical cord in Cantrell: pentalogy or hexalogy? <i>A. Muller Brochut (Switzerland)</i>	P22.16
Second trimester ultrasound markers of trisomy 22 – a case report <i>O. Navti (United Kingdom)</i>	P22.17

P23: Obstetric outcomes and improvements

	Abstract number
Preeclampsia – how many diseases? <i>J. Drobný (Slovakia)</i>	Hall C1 P23.01
The effects of fetal gender on serum hCG and testosterone in normotensive and preeclamptic pregnancies <i>N. Lorzadeh (Iran)</i>	P23.02
Preeclampsia due to fetal nonimmune hydrops: mirror syndrome and review of literature <i>A. Gedikbasi (Turkey)</i>	P23.03
Fetal Ebstein's anomaly – possible origin of a maternal mirror syndrome <i>B. Gerresheim (Germany)</i>	P23.04
Still births in India, effect of prenatal ultrasound screening on perinatal outcome <i>K. Jayam (India)</i>	P23.05
Early serum leptin level and outcome of pregnancy <i>M. Kasraeian (Iran)</i>	P23.06
Ultrasonographic measurement of the amniotic fluid index (AFI) and causes of oligohydramnios <i>N. Rafuna (Albania)</i>	P23.07

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	Abstract number
Combining improvements in ultrasound reporting and staff development <i>T. Chudleigh (United Kingdom)</i>	P23.08
Establishment of a perinatal research network <i>F. Manning (Ireland)</i>	P23.09
Establishment of a web-based consolidated ultrasound database <i>F. Manning (Ireland)</i>	P23.10
First trimester three dimensional placental vascular indices in women at risk of placental insufficiency: a preliminary study <i>V. Melero Jimenez (Spain)</i>	P23.11
P24: 3D/4D/STIC fetal echocardiography	Hall E
Limiting factors for performance of automated sonography in fetal cardiac imaging in the second trimester of pregnancy <i>E. Sinkovskaya (USA)</i>	P24.01
Real-time three-dimensional echocardiography using a matrix probe with live xPlane imaging directed at the interventricular septum <i>Y. Xiong (China)</i>	P24.02
The additional value of 4D ultrasound with the STIC modality in prenatal diagnosis of fetal truncus arteriosus <i>E. Schoonderwaldt (Netherlands)</i>	P24.03
P25: Fetal echocardiography: impact of prenatal diagnosis	Hall E
Prospective follow-up of the cases with prenatally diagnosed major cardiac anomalies <i>M. Basbug (Turkey)</i>	P25.01
Beneficial effect of prenatal diagnosis of congenital heart defects over a ten year period in a referral center <i>S. Clur (Netherlands)</i>	P25.02
Echocardiography in two tertiary referral centers: the univentricular heart remains challenging <i>M. Haak (Netherlands)</i>	P25.03
Postnatal follow-up study of heterotaxy syndrome in a Korean population <i>S. Kim (South Korea)</i>	P25.04
Outcome of fetuses undergoing fetal echocardiography; ten years in a referral center <i>S. Clur (Netherlands)</i>	P25.05
Structural congenital heart disease in twins, report from a large cohort of twin pregnancies <i>D. Albert (Spain)</i>	P25.06
The clinical presentation and outcome of fetal isolated ductus arteriosus aneurysms <i>M. Lee (South Korea)</i>	P25.07
How can we counsel the parents of fetuses diagnosed with classical hypoplastic left heart syndrome (HLHS) based on recent data? <i>H. Won (South Korea)</i>	P25.08
Systematic fetal echocardiography – eight years' experience in prenatal diagnosis of congenital heart defects <i>G. Iliev (Romania)</i>	P25.09
Maternal anxiety decreases after fetal echocardiography <i>I. Williams (USA)</i>	P25.10
Prenatal diagnosis of isolated ductus arteriosus aneurysm <i>S. Choi (South Korea)</i>	P25.11
Early fetal echocardiography: ready for prime time? <i>F. Mirza (USA)</i>	P25.12
Borderline or increased first trimester nuchal translucency: a marker for isolated ventricular septal defect? <i>P. Zielinsky (Brazil)</i>	P25.13
Does no offset of the atrioventricular valve heights in an otherwise normal fetal heart indicate trisomy 21? <i>D. Wood (USA)</i>	P25.14
Massive pericardial effusion in a fetus with Down syndrome <i>M. Basbug (Turkey)</i>	P25.15
Fetal echocardiography affects maternal anxiety <i>I. Williams (USA)</i>	P25.16
P26: Multiple pregnancy	Hall F
Evaluation of two new scoring methods in the assessment of TTTS laser treatment efficacy <i>K. Janiak (Poland)</i>	P26.01
The clinical value of prenatal ultrasound in diagnosing and treating twin reverse arterial perfusion syndrome <i>H. Wang (China)</i>	P26.02
Can ultrasound predict cephalic presentation of the first twin at the time of delivery? <i>B. Rosenn (USA)</i>	P26.03
Limb ischemia in the recipient twin, a form of intrinsic amniotic band sequence? <i>E. Carreras Moratonas (Spain)</i>	P26.04
Delayed interval to delivery in the second twin after IVF – a case report <i>R. Gerychova (Czech Republic)</i>	P26.05

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Marked difference in placental echogenicity as a first manifestation of twin-twin transfusion in monochorionic diamniotic twin pregnancies, two cases <i>M. de Laat (Netherlands)</i>	P26.07
Ultrasonographic evaluation for prediction of preterm delivery in multifetal gestation <i>C. Berceanu (Romania)</i>	P26.08
Twin-twin transfusion syndrome in monozygotic dichorionic-diamniotic twin pregnancy – a case report <i>M. Sumie (Japan)</i>	P26.09
Cord entanglement in monoamniotic twins – case report <i>K. Pelki (Slovenia)</i>	P26.10
Spontaneous management of TRAP sequence due to fetal umbilical knot <i>A. Gedikbasi (Turkey)</i>	P26.11
Prenatal diagnosis of the conjoined twins with the vein of Galen aneurysm in one fetus – case report <i>A. Kucinska-Chahwan (Poland)</i>	P26.12
Acardiac twin with cephalic pole: a case report <i>A. Carmo (Brazil)</i>	P26.13
Discordant growth in monochorionic diamniotic twins – hidden presentation of twin-twin transfusion syndrome <i>H. Samarage (United Kingdom)</i>	P26.14
Spontaneous monochorionic (MC) 5-amniotic (5A) quintuplet pregnancy <i>Y. Zhuo (Germany)</i>	P26.15
Early fetal demise of one twin in monochorionic placentation: echogenic bowel and the subsequent diagnosis of aplasia cutis congenita <i>B. Hollis (Australia)</i>	P26.16
Three-dimensional sonography of conjoined twins at the 11–14 scan – four case reports <i>L. Bussamra (Brazil)</i>	P26.17
The prenatal ultrasound diagnosis of fetus in fetu: two cases <i>L. Teregulova (Russia)</i>	P26.18

P27: Abnormal uterine bleeding: uterine and endometrial pathology and endometriosis

Hall 4

Abdominal mass mimicking leiomyoma: uterine fibrous myxoid malignant tumour <i>J. Casanova (Portugal)</i>	P27.01
The potential of three-dimensional (3D) ultrasound for the detection of deep endometriosis <i>S. Guerriero (Italy)</i>	P27.02
Three-dimensional power Doppler US using VOCAL method can help distinguish endometriomas from haemorrhagic cyst? <i>M. Pascual (Spain)</i>	P27.03
Ablation of uterine adenomyosis by magnetic resonance guided focused ultrasound surgery (MRgFUS) <i>H. Fukunishi (Japan)</i>	P27.04
Doppler US in the success evaluation of uterine AVM embolization during the immediate post embolization period – case report <i>A. Agmon (Israel)</i>	P27.05
Virtual hysteroscopy by gel instillation, a new technique for sonohysterography (GIS) <i>M. Emanuel (Netherlands)</i>	P27.06
Uterine cavity: role of 3D ultrasonography in improving diagnostic accuracy <i>M. Pascual (Spain)</i>	P27.07
Can we rely on transvaginal ultrasonography in the detection of endometrial polyps? A comparison of transvaginal ultrasonography, hysteroscopy and pathology reports <i>M. Paszkowski (Poland)</i>	P27.08
The indications for hysteroscopy in postmenopausal women and the histological results <i>K. Jalinik (Poland)</i>	P27.09
Tomographic ultrasound imaging: a novel approach for the determination of progesterone-releasing intrauterine devices <i>J. Nien (Chile)</i>	P27.10
Transvaginal ultrasonography in the diagnosis of vesico-peritoneal fistula due to deep infiltrating endometriosis as a cause of uroperitoneum <i>S. Guerriero (Italy)</i>	P27.11

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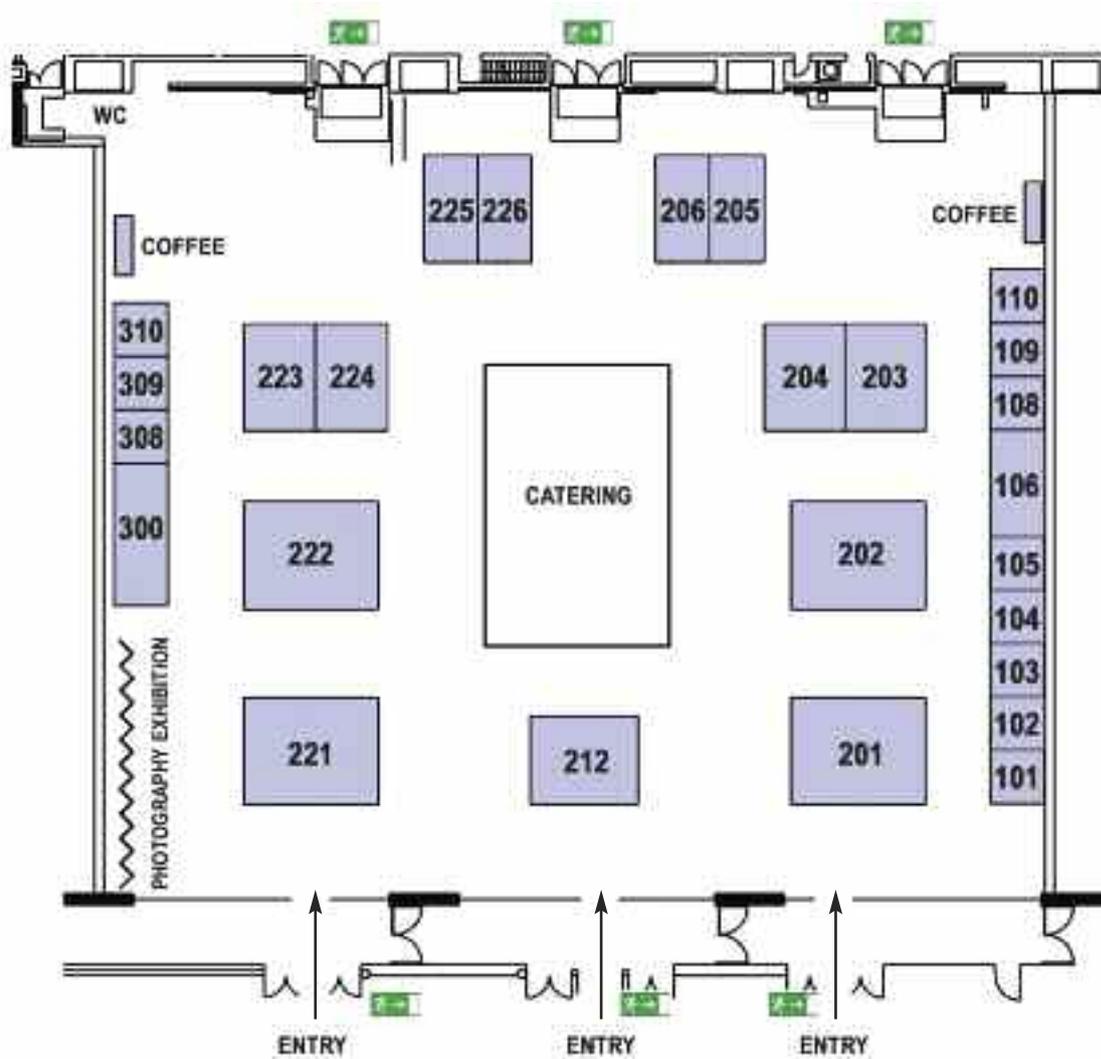
GE imagination at work

Sponsors' activities

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

Room	MONDAY 14 SEPTEMBER	TUESDAY 15 SEPTEMBER	WEDNESDAY 16 SEPTEMBER
Hall 3	<p>GE Healthcare Satellite symposium 12:45–13:45</p> <p>New developments in fetal heart <i>R. Chaoui (Germany)</i></p> <p>Dynamic rendering engine <i>B. Benoit (Monaco)</i></p> <p>Advanced features for enhanced clinical assessment <i>A. Abuhamad (USA)</i></p>	<p>Siemens AG Satellite symposium 12:45–13:45</p> <p>Importance of precise neuro-anatomical landmarks for sonographic examination of the fetal brain <i>L. Lyon (France)</i></p> <p>Functional Assessment of the fetal heart with vector velocity imaging (VVI) <i>J. Steinhard (Germany)</i></p>	<p>Medison Satellite symposium 12:45–13:45</p> <p>3D Ultrasound in prenatal diagnostic. What is new? 3D US in obstetrics: lessons learned on the way forward <i>K. Kalache (Germany)</i></p> <p>New applications of 3D US in the comprehensive evaluation of the fetal face and palate <i>W. Sepulveda (Chile)</i></p> <p>Slicing through the fetal heart: 2D or 3D? <i>J. Carvalho (United Kingdom)</i></p>
Hall 4 Foyer	<p>GE Healthcare VolusonClub lounge</p>		
Hall A1	<p>Siemens AG Hospitality suite</p> <p>10:45–11:15 Importance of precise neuro-anatomical landmarks for sonographic examination of the fetal brain <i>L. Guidbaud (France)</i></p> <p>15:30–16:00 Functional assessment of the fetal heart with vector velocity imaging (VVI) <i>J. Steinhard (Germany); S. Kröher</i></p>	<p>Siemens AG Hospitality suite</p> <p>15:30–16:00 Functional assessment of the fetal heart with vector velocity imaging (VVI) <i>J. Steinhard (Germany); S. Kröher</i></p>	<p>Siemens AG Hospitality suite</p> <p>10:45–11:15 Importance of precise neuro-anatomical landmarks for sonographic examination of the fetal brain <i>L. Guidbaud (France)</i></p> <p>13:30–14:00 Functional assessment of the fetal heart with vector velocity imaging (VVI) <i>J. Steinhard (Germany); S. Kröher</i></p>
Hall A2	<p>Philips Healthcare Hospitality suite</p> <p>10:45–11:15 PureWave in gynecology <i>E. Epstein (Sweden)</i></p> <p>12:30–14:00 PureWave in the fetal brain <i>B. Tutschek (Germany)</i></p> <p>PureWave in the fetal heart <i>C. Berg (Germany)</i></p> <p>The past, the present and the future of 3D ultrasound <i>K. Kalache (Germany)</i></p> <p>15:30–16:00 Ultrasound in interventional OB <i>T. Frusca (Italy)</i></p>	<p>Aloka Hospitality suite</p> <p>New ProSound Alpha Series</p> <p>10:45–11:15 New ProSound Alpha Series for Ob-Gyn <i>Aloka clinical application specialists</i></p> <p>15:30–16:00 Live scan demonstrations <i>J. Carvalho (United Kingdom)</i></p>	<p>Aloka Hospitality suite</p> <p>New ProSound Alpha Series</p> <p>10:45–11:15 Live scan demonstrations <i>V. D'Addario (Italy)</i></p> <p>15:30–16:00 Live scan demonstrations <i>K. Kagen (Germany)</i></p>
Hall B1	<p>Medison Hospitality suite</p> <p>10:45–11:15 Live scan demonstration: clinical advantages of 3D MXI™ in imaging fetal organs <i>K. Kalache (Germany)</i></p> <p>15:30–16:00 <i>Interactive workshop using 3D off-line analyses tool/Sonoview™ Pro</i> Basic 3D US: baby face, nasal bone, fetal spine</p>	<p>Medison Hospitality suite</p> <p>10:45–11:15 <i>Interactive workshop using 3D off-line analyses tool/Sonoview™ Pro</i> Fetal heart: sequential analyses of fetal cardiac structures</p> <p>12:30–14:00 Live scan demonstration: diagnostic real time multiple 3D/4D rendering <i>K. Hecher (Germany)</i></p> <p>15:30–16:00 <i>Interactive workshop using 3D off-line analyses tool/Sonoview™ Pro</i> Fetal heart. Cases: off-line diagnosis of CHD</p>	<p>Medison Hospitality suite</p> <p>10:45–11:15 <i>Interactive workshop using 3D off-line analyses tool/Sonoview™ Pro</i> Fetal brain: midline structures, posterior fosse. Cases: off-line diagnosis</p> <p>12:30–14:00 Live scan demonstration: quality control in first trimester live scan <i>G. Haddad (France)</i></p> <p>15:30–16:00 <i>Interactive workshop using 3D off-line analyses tool/Sonoview™ Pro</i> Facial defects: secondary palate. Cases: off-line diagnosis</p>
Hall D	<p>PerkinElmer Satellite symposium 12:45–13:45</p> <p>Pre-eclampsia risk assessment and management of high risk patients <i>K. Nicolaidis (United Kingdom); A. Baschat (USA)</i></p>	<p>GE Healthcare Hospitality suite</p> <p>10:45–11:15 Latest development in fetal heart ultrasound & live scan <i>D. Paladini (Italy)</i></p> <p>12:45–13:45 Dynamic rendering engine and latest released ultrasound features & live scan <i>B. Benoit (Monaco)</i></p> <p>16:00–16:30 Fetal intervention and ultrasound monitoring <i>A. Baschat (USA)</i></p>	<p>GE Healthcare Hospitality suite</p> <p>10:45–11:15 Ultrasound advances in gynecology <i>B. Benacerraf (USA)</i></p> <p>12:45–13:45 Ultrasound examination of the fetal central nervous system (CNS) & live scan <i>G. Pilu (Italy)</i></p> <p>15:30–16:00 Latest development in fetal ultrasound – presentation, discussion & live scan demonstration <i>R. Chaoui (Germany); K. Helling (Germany)</i></p>

Exhibitor listing and floor plans



HALL 3 FOYER (ISUOG lounge and poster pods)

Exhibitor list

Company	Stand no.	Company	Stand no.
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Astraia software gmbh	103	MIDES Handelsges.m.b.H.	104
Bio.logis Zentrum für Humangenetik	105	PerkinElmer Inc.	225
Bioscientia Center for Human Genetics Ingelheim	309	Philips Healthcare	222
Brahms	109	Shenzhen Mindray Bio-Medical Electronics Co. Ltd.	206
CIVCO Medical Solutions	101	Siemens AG	201
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Cook Medical	224	Toshiba Medical Systems	212
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Jan E. Jirásek	Photography exhibition	Wiley Blackwell	Hall 3 foyer
Jaypee Brothers Medical Publishers (P) Ltd.	310	Wisepress Online Bookshop	300
Karl Storz GmbH & Co. KG	307	Zonare Medical Systems, Inc.	226

Please note that the locations of exhibition stands are subject to change.

Please see detailed exhibitor profiles on pages 70–77 for more information about the companies listed.

Exhibitor profiles



ALOKA Holding Europe AG

Stand no: 204

Steinhauserstrasse 74, 6300 Zug, Switzerland

Tel: + 41 41 747 21 20

Fax: + 41 41 747 21 21

Email: Int.sales@aloka-europe.com

Website: www.aloka-europe.com

Contact: *Yvonne Lauper*

ALOKA is a world leading pioneer of ultrasound systems for nearly 60 years providing imaging solutions for Obstetrics/Gynaecology ultrasound. Please visit our exhibition booth no. 204 and our hospitality room for live scanning sessions with the latest ProSound systems at ISUOG 2009 in Hamburg, Germany. ALOKA is dedicated to excellence providing the systems needed to ensure the best quality of life for patients. ALOKA has its headquarters in Tokyo, Japan and European in Zug, Switzerland.

Astraia software gmbh

Stand no: 103

Occam Str 20, 80802 Munich, Germany

Tel: + 49 89 127 1147 0

Fax: + 49 89 127 1147 17

Email: info@astraiacom

Website: www.astraiacom

Contact: *Monika Hobbs*

astraiacom software gmbh, based in Munich, Germany, was founded in 1999. Today the core team consists of about 20 people with scientific background and specialists in information technology. astraiacom's main product 'astraiacom medical database' offers a unified and standardized terminology for Fetal Medicine, Obstetrics and Gynaecology and is up-to-date on the latest scientific data. Today, astraiacom has been translated into over 25 languages and has been installed in over 700 doctor's hospitals all over the world.

Bio.logis Zentrum für Humangenetik

Stand no: 105

Altenhöferallee 3, 60438 Frankfurt, Germany

Tel: + 49 69 538 4730

Email: manuela.thesen@bio.logis.de

Website: www.bio.logis.de

Contact: *Manuela Thesen*

bio.logis center for human genetics is a worldwide provider of human genetic testing services and is located in Frankfurt am Main, Germany.

The spectrum of testing methods includes cytogenetics and molecular genetics as well as genetic counseling and is offered to hospitals, physicians and scientific institutes. A new section to provide analysis and exploration of individual genedata via website (personal genomic services) is in implementation.

Bioscientia Center for Human Genetics

Stand no: 309

Ingelheim

Konrad-Adenauer-Str. 17, 55218 Ingelheim, Germany

Tel: + 49 (0) 6132 781 411

Fax: + 49 (0) 6132 781 194

Email: humangenetik@bioscientia.de

Website: www.bioscientia.com

Contact: *Prof. Dr. med. J. Decker*

Bioscientia Center for Human Genetics offers a variety of genetic diagnostic services, including:

- Molecular Genetics
- Cytogenetics
- Molecular Cytogenetics / Fluorescence-in-situ-Hybridization (FISH)
- Tumor Genetics
- Biochemical Analyses
- Clinical Genetics / Genetic Counseling
- Kinship / Paternity Testing

B•R•A•H•M•S

Stand no: 109

Neuendorfer Str. 25, 16761 Hennigsdorf, Germany

Tel: + 49 3302 883 0

Fax: + 49 3302 883 100

Email: brahms@brahms.de

Website: www.brahms.de

Contact: *Sigrid Riesberg*

B•R•A•H•M•S Aktiengesellschaft specialises in innovative products which facilitate earlier diagnosis of diseases and better control of therapy, thus enabling doctors to provide more efficient and economic patient care. Major fields of activity are laboratory tests in prenatal screening, thyroid diseases, oncology, sepsis, and cardiology.

The B•R•A•H•M•S analytical platform KRYPTOR is in routine use by the Fetal Medicine Foundation (FMF), UK since 1999, making the OSCAR concept of screening for chromosomal abnormalities possible. The company's newest analytical instrument, KRYPTOR compact was certified by the FMF July 1st, 2009, meaning that KRYPTOR compact is fulfilling the requirements for first trimester biochemical screening.

Thus both platforms will use the same set of medians. Medians are established over a long period of time and their stability is important to maintain an effective screening program. Since it has been established – because the KRYPTOR compact and KRYPTOR use exactly the same reagent system – the medians on each machine are interchangeable and therefore any lab wishing to change to compact would not need to re-evaluate medians. This has never been possible with any other analytical platform before.

ISUOG Education 2009

Doppler in obstetrics & Ultrasound and labour

Course directors:

Christoph Brezinka (Austria)

Kurt Hecher (Germany)

Kypros Nicolaides (UK)



ISUOG



Royal College of
Obstetricians and
Gynaecologists

Setting standards to improve women's health

Dates:

5 – 6 December 2009

Location:

RCOG

27 Sussex Place

Regent's Park

London

NW1 4RG

Fees:

£275 (incl. lunch and refreshments)

10% discount for ISUOG & RCOG members

CME:

15 RCOG CPD credits

EACCME credits applied for

Contact:

E: congress@isuog.org

T: +44 (0) 20 7471 9955

F: +44 (0) 20 7471 9959

www.isuog.org



Exhibitor profiles

CIVCO Medical Solutions

Stand no: 101

102 First Street South, Kalona, IA 52247, USA

Tel: + 1 319 656 447

Fax: + 1 319 656 4451

Email: info@civco.com

Website: www.civco.com

Contact: *Lauren Sels*

With over 25 years of experience, CIVCO is the recognized global specialist in the design, manufacture and marketing of image-guided solutions for diagnostic and minimally invasive procedures. CIVCO partner's with leading OEMs to supply innovative products such as image-guided needle guidance systems, infection control covers, imaging supplies and positioning/stabilizing equipment.

ContextVision AB

Stand no: 100

Kungsgatan 50, 11135 Stockholm, Sweden

Tel: + 46 8 750 3550

Fax: + 46 8 750 5494

Email: info@contextvision.se

Website: www.contextvision.com

Contact: *Lilian Rivera*

ContextVision is the leading independent developer in medical imaging enhancement, analysis and processing technologies, serving leading OEMs and distributors for 25 years. ContextVision's patented GOP algorithm allows unprecedented image quality to be achieved by simultaneously enhancing fine structure while reducing noise and speckle across MRI, X-Ray, Ultrasound and CT image data. ContextVision's embedded imaging software is relied upon daily by thousands of users around the globe.

Cook Medical

Stand no: 224

O'Halloran Road, National Technology Park, Limerick, Ireland

Tel: + 353 (0)61 334440

Fax: + 353 (0)61 334441

Email: lmcmahon@cook.ie

Website: www.cookmedical.com

Contact: *Laura McMahon*

Cook Medical was pioneer for many of the devices now commonly used worldwide to perform minimally invasive medical procedures. Today, the company integrates device design, biopharma, gene and cell therapy and biotech to enhance patient safety and improve clinical outcomes in the fields of aortic intervention; interventional cardiology; critical care medicine; gastroenterology; radiology, peripheral vascular, bone access and oncology; surgery and soft tissue repair; urology; and assisted reproductive technology, gynecology and high-risk obstetrics. For more information, visit www.cookmedical.com.

Esaote S.p.A.

Stand no: 203

Via di Caciolle, 15, 50127 Firenze, Italy

Tel: + 39 055 42291

Fax: + 39 055 4229208

Email: international.sales@esaote.com

Website: www.esaote.com

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

Come to the Esaote stand (203) to meet our complete product line-up, which provides 4-D imaging on top of portability and many other solutions to meet your expectations.

GE Healthcare



GE Healthcare

Stand no: 221

Beethovenstrasse 239, D-42665 Solingen

Tel: + 49 212 28020

Fax: + 49 212 280228

Website: www.gehealthcare.com

GE Healthcare has a vision of accelerating personalized medicine where earlier accurate diagnosis, enabling earlier therapeutic intervention, provides more efficient and effective treatment outcomes, reducing healthcare costs. At this year's ISUOG Congress we are presenting the latest 2009 releases of our well known Voluson line, including the new breakthrough release on the Voluson E8 as well as a new Voluson E6. Visit GE Healthcare at stand number 221 and if you are a Voluson Club member we are awaiting your visit to the Foyer 4 VolusonClub lounge (don't forget to bring your VolusonClub member card).



Exhibitor profiles



ISUOG

Hall 3 Foyer

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

Tel: + 44 (0) 20 7471 9955

Fax: + 44 (0) 20 7471 9959

Email: info@isuog.org

Website: www.isuog.org

Contact: *Jessica Parrett*

The **International Society of Ultrasound in Obstetrics and Gynecology** (ISUOG) exists to promote research and education in ultrasound within the field of obstetrics and gynecology and now has more than 3,200 members in 96 countries worldwide. All full paying delegates in Hamburg will automatically be registered as members of ISUOG for 2010 and will receive a 12 month subscription to the Society's official journal *Ultrasound in Obstetrics and Gynecology*, access to the society's official website and special reduced rates to attend our 2010 World Congress in Prague, Czech Republic (10–14 October 2010) and other ISUOG courses and events. See our appointments schedule on page 5 and visit us to find out more!

Jan E. Jirásek

Photography exhibition

'The human embryo and the computer' is a display of photographs by Professor Jan Evangelista Jirásek.

Jaypee Brothers Medical Publishers (P) Ltd. Stand no: 310

4838/24, Ansari Road, Daryaganj, New Delhi 110002, India

Tel: + 91 11 43574357

Fax: + 91 11 43574314

Email: jaypee@jaypeebrothers.com

Website: www.jaypeebrothers.com

Contact: *J. P. Vij*

Jaypee Brothers is one of the largest obs/gyne books publisher in the world. So far they have published about 200 titles exclusively in ultrasound and Obs Gyne. Jaypee is one of the world leaders in publishing medical content for students and practitioners and the price of their books are within the reach of the doctors and that is the secret of the popularity of Jaypee.

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ALOKA HOLDING EUROPE AG - Steinhäuserstrasse 74 - 6300 Zülg - Switzerland
ISUOG 2009 - Booth N° 204 - www.aloka-europe.com

Exhibitor profiles

Karl Storz GmbH & Co. KG

Stand no: 307

Mittelstrasse 8, 78532 Tuttlingen, Germany

Tel: + 49 7461 7080

Fax: + 49 7461 7083 77

Email: info@karlstorz.de

Website: www.karlstorz.de

Contact: Mrs Lanzillotti

KARL STORZ is a renowned manufacturer that is well established in all fields of endoscopy. The still family held company has grown to one with a worldwide presence and 4000 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications.

see it all 
MEDISON

Medison Co., Ltd.

Stand no: 202

DaeChi 3 Dong #1003, MEDISON Building, Kang Nam Gu, Seoul, Korea

Tel: + 82 (0)2 2194 1092

Fax: + 82 (0)2 2194 1071

Email: bini99@medison.com

Website: www.medison.com/eng

Contact: Binie Kim

Medison has been a leading name in diagnostic ultrasound since its foundation in 1986. We are dedicated solely to ultrasound imaging and at the front of research and development in 3D/4D technology. Since revolutionising the industry with the introduction of the first commercial 3D/4D ultrasound device, we have continued to innovate technologies that have made 3D/4D dispensable diagnostic tool for clinicians the world over. Today we continue to develop the ultimate in 3D/4D ultrasound imaging systems.

MIDES Handelsges.m.b.H.

Stand no: 104

Weinholdstrasse 33, A-8010 Graz, Austria

Tel: + 43 316 42 65 00

Fax: + 43 316 42 65 00 3

Email: us@mides.com

Website: www.mides.com

Contact: Norbert Minarik

MIDES has been established in the medical ultrasound market for 20 years with used ultrasound units.

Since 2005 we are specialized as one of the leading companies in repairing Ultrasound- Standard- and TEE- Probes. All probes will be repaired in our certified laboratories in our headquarters in Graz, Austria.

At the moment we work with around 300 hospitals in Europe who trust in our high quality level and know-how.



PerkinElmer Inc.

Stand no: 225

P.O. Box 10, FIN-20101 Turku

Tel: + 358 2 2678 111

Fax: + 358 2 2678 332

Email: tytti.massinen@perkinelmer.com

Website: www.perkinelmer.com

Contact: Tytti Massinen

PerkinElmer is a global company focused on improving the health and safety of people and their environment. From earlier medical insights and more effective therapies to cleaner water and safer homes, PerkinElmer touches the lives of millions of people around the world every day. The world leader in newborn screening, PerkinElmer is an innovator in prenatal testing, pre-eclampsia research and molecular cytogenetics. NTD Laboratories provides prenatal screening services and ViaCord® supports cord blood banking.

PHILIPS

Philips Healthcare

Stand no: 222

Hewlett-Packard Str. 2, 71034 Böblingen, Germany

Tel: + 49 7031 463 2694

Fax: + 49 7031 463 2111

Email: caroline.volkmar@philips.com

Website: www.healthcare.philips.com

Contact: Caroline Volkmar

Royal Philips Electronics of the Netherlands is a diversified Health and Well-being company, focused on improving people's lives through timely innovations. The company is a market leader in cardiac care, acute care and home healthcare.

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.

Stand no: 206

Tel: + 86 755 2658 2888

Fax: + 86 755 2658 2680

Email: intl-market@mindray.com

Website: www.mindray.com

Mindray is dedicated to providing the worldwide medical professionals with ultrasound systems with value added perform. We have always been developing products by combining patient-focused technologies and ease-to-use designs, which is only seen in more expensive alternatives. In the future we are committed to provide you rich series of new products needed to face with different clinical challenges.

Exhibitor profiles

SIEMENS

Siemens AG

Healthcare Sectore, Henkestrasse 127, 91052 Erlangen,
Germany

Tel: + 49 9131 84 0

Email: medg.gms@siemens.com

Website: www.Siemens.com/healthcare

Stand no: 201

Siemens Healthcare continuously innovates ultrasound technology and provides real solutions for clinicians in OB/GYN today.

Through its application-centric focus, this dedicated team of ultrasound professionals provides practical solutions that help improve clinical outcomes. Numerous innovative technologies enabled ultrasound to play an increasing role in obstetrics and gynecology. For instance, in obstetrics, ultrasound imaging has become the definitive method for monitoring fetal development, analyzing fetal anatomy and detecting abnormalities with 2D, 3D and 4D imaging.

Sonoscape Co., Ltd.

9/F Yizhe Building, Yuguan Road, Nanshan, 518051 Shenzhen,
China

Tel: + 86 755 267 22890

Fax: + 86 755 267 22850

Email: jackson@sonoscape.net

Website: www.sonoscape.com

Contact: Jackson

Stand no: 205

SonoScape is a Chinese leader specializing in developing and manufacturing cutting-edge color Doppler ultrasound systems and ultrasound transducers. In 2008 SonoScape received the "European Ultrasound Entrepreneurial Company Award" by Frost & Sullivan. SonoScape is continuing to provide the highest quality ultrasound systems and services at the most competitive prices for our customers worldwide.

www.perkinelmer.com

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Use your existing maternal serum biochemistry system to achieve more for one on the DELFIA Xpress platform, we are about to launch the first placental growth factor (PGF) assay for early pre-eclampsia risk assessment. Following the success of our AutoDELTA[®] research assay, we are also developing a DELFIA Xpress IVD assay for the potential early marker, placental protein 13 (PP13).

These new assays will provide the performance benefits of the DELFIA chemistry, and will complement the full range of first and second trimester aneuploidy risk assessment assays already available for DELFIA Xpress.

Learn more about early pre-eclampsia risk assessment at our Satellite Symposium on 14th September, or visit us at our booth No. 225.

The DELFIA Xpress instrument and DELFIA Xpress risk assessment assays are not available in the USA.


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For the Better

Exhibitor profiles

TOSHIBA

Leading Innovation >>>

Toshiba Medical Systems

Zilverstraat 1, 2718 RP

Tel: + 31 79 368 9222

Fax: + 31 79 368 9444

Email: info@tmse.nl

Website: www.toshiba-medical.eu

Stand no: 212

As a world leader in diagnostic imaging, we provide you with ultrasound systems that offer outstanding clinical performance backed by a comprehensive array of unique, clinically validated technologies. A full range of high-performance imaging functions allows you to visualize minute tissue details and vascular structures in 2D, 3D or 4D with precision for a faster and more accurate diagnosis.

Seeing is believing. Ask for a demonstration.

Check www.toshiba-medical.eu for our contact details.

Toshiba: Made for Patients, Made for You, Made for Life!

Trig Medical Ltd.

Stand no: 108

Hacarmel 2 St. (building 7), Yoqneam Ilit 20692, Israel

Tel: + 972 4 9597 930

Fax: + 972 4 9597 933

Email: tzipi@trigmed.com

Website: www.trigmed.com

Contact: Dr Qaltieli / Tzipi Yakoby

Trig Medical's unique LaborPro system enables – for the first time – the objective, non-invasive determination of vital labor parameters. Using ultrasound and position tracking, LaborPro automatically measures the fetal head station & position and descent based on pelvic inlet and birth canal, as well as cervical dilation and pelvic diameters.

Trig Medical's TrigGuide system provides a navigation solution for in-plane and out-of-plane, free hand interventional procedures, allowing physicians to plan procedures and then monitor the needle's progress.

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Leading Innovation >>>



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Fetal profile



3D view of fetal spine of pregnancy



Fetal spine



3D reconstruction of fetal spine

Monday 14 September

11:30 hrs, Live scan demonstration:

Beyond NT: the first trimester detailed anomaly scan

C. Bilardo (Netherlands)

Chairs: K. Nicolaides (United Kingdom); A. Tabor (Denmark)

Tuesday 15 September

11:15 hrs, Live scan demonstration:

Advanced fetal anatomy in the second trimester

B. Pili (Italy)

Chairs: A. Geipel (Germany); B. Thiruganathan (United Kingdom)

Please note that a limited number of seats is available.

www.toshiba-medical.eu



ULTRASOUND CT MRI X-RAY SERVICES

Exhibitor profiles

Ultrasonix Medical Corporation

Stand no: 223

130-4311 Viking Way, Richmond, BC V6V 2K9, Canada

Tel: + 1 604 279 8550

Fax: + 1 604 279 8559

Email: danielle.mccallum@ultrasonix.com

Website: www.ultrasonix.com

Contact: *Danielle McCallum*

Ultrasonix is a leading developer and manufacturer of high quality diagnostic ultrasound imaging systems. The company's unique OpenSONIX ultrasound technology provides superior image quality, ease of use and clinical flexibility. The SonixTOUCH provides a complete solution for Obstetrics and Gynecology with outstanding imaging, advanced features such as 4D imaging and a programmable touchscreen-driven interface for superior workflow.

Wisepress Online Bookshop

Stand no: 300

The Old Lamp Works, 25 High Path, Merton Abbey, London SW19 2JL, UK

Tel: + 44 20 8715 1812

Fax: + 44 20 8715 1722

Email: bookshop@wisepress.com

Website: www.wisepress.com

Contact: *Nadia Ahmed*

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

Versandbuchhandlung

Stand no: 106

Dorfstraße 17L, 24220 Flintbek, Germany

Tel: + 49 4347 71706

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Email: info@versandbuchhandlung-sch

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Contact: *Stefan Schuldt*

ZONARE Medical Systems, Inc.

Stand no: 226

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Fax: + 49 9131 974 9410

Email: info@zonare.de

Website: www.zonare.com

Contact: *Andrea Franke*

Zonare Medical Systems designs, develops and manufactures a new breed of high-performance ultrasound solutions which combine its proprietary technology with a fresh physical design (hybrid ultrasound). Compared to conventional ultrasound, Zonare's unique Zone Sonography™ is an innovative approach to echo data acquisition and image formation focusing on bringing premium image quality and performance to clinical settings, leading to advanced diagnostic capabilities, portability, cost-effective operation, maintenance and upgrades as well as attractive value to clinicians.



Social program

Social functions

Please book tickets for any of the functions below at the registration desk. Tickets are subject to availability and will be offered on a first-come, first-served basis.

Welcome reception

All registered delegates and accompanying persons are invited to attend the special program on Sunday 13 September starting at 16:30.

- 16:30 Special presentation: Hall 2
Maternal mortality; a global crisis – is there a role for ultrasound?
A. Abuhamad (USA)
- 17:00 Keynote lecture: Hall 2
Developmental origins of health and disease
M. Hanson (United Kingdom)
- 18:00 Drinks reception: Hall 2 foyer
- 18:30 Hamburg Ballet School performance: Hall 2
The Hamburg Ballet will perform excerpts from *Yondering*, a ballet by John Neumeier inspired by the songs of the 19th century American composer Stephen Foster. *Yondering* refers to an early American expression for the act of crossing the frontier and wandering into an unknown adventure, and the success of this ballet depends on an enthusiastic and energetic performance by the dancers.
- 19:00 Welcome reception: Exhibition hall
- 21:30 Close

Additional tickets can be purchased at the registration desk for €50 per person.

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

Congress party

Tuesday 15 September 2009, 19:30

Venue: *Café Seeterrassen*

Cost per person: €80 (includes VAT)

Dress: *Dancing shoes*

Café Seeterrassen is located in the beautiful Planten un Blomen park, just a short walk from the Congress venue. Join us for a buffet style dinner, drinks and dancing in the park! Popular funk soul band 'Nite Club' will provide the live entertainment.

Please note you will not be allowed entry without your party ticket; please remember to bring it with you.

Accompanying person's program

The accompanying persons program includes:

- Congress welcome reception
- Admission to the Congress exhibition areas
- Hamburg Card: free travel on all transport in the greater Hamburg region, free or discounted entrance to over 110 places of interest and attractions, and on city, harbour and Alster sightseeing tours. Discounts are also offered at participating restaurants and shops.
- Lübeck Tour (Tuesday 15 September 2009): A day trip to the picturesque town of Lübeck, founded in 1143 as the first German city on the Baltic Sea. The medieval town is characterised by cultural sights which symbolize the great past of Lübeck, with many buildings added to the UNESCO World Heritage list.

In addition, when you registered for the Congress you would have chosen two further tours to be included in your package –

- Harbour boat tour or Hamburg walking tour
- Multimedia bus or bicycle tour

Please visit the registration desk on Sunday morning with any queries or call +49 177206 2725. We hope you enjoy discovering Hamburg!

Cost per person: €200



General information

Cash machines

There are two cashpoints within easy walking distance of the Venue – the railway station ‘Dammtor’ (5 minute walk) and Bank Hamburger Sparkasse + Postbank, Dammtorwall (10–12 minute walk).

Catering

Coffee and light lunches will be served in the exhibition area Monday to Wednesday. On Thursday, refreshments will be served in the Hall 3 foyer. Please join us for a Czech beer at session closing on Thursday afternoon!

Certificates of attendance

Certificates of attendance will be available from the registration desk from Wednesday 16 September for all registered delegates who complete the CME questionnaire.

Congress contact details

Congrex Sweden AB

(Registration and social enquiries)

Box 5078
SE-402 22, Göteborg
Sweden
Tel: +46 (0) 31 708 6000
Fax: +46 (0) 31 708 6025
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ISUOG Secretariat

(Scientific program, exhibition and sponsorship)

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Website: www.isuog.org

Disclaimer

All best endeavours will be made to present the program as printed. However the 19th World Congress on Ultrasound in Obstetrics and Gynecology and its agents reserve the right to alter or cancel without prior notice, any of the arrangements, timetables, plans or other items relating directly or indirectly to the Congress for any reason beyond its reasonable control. The 19th World Congress on Ultrasound in Obstetrics and Gynecology and its agents are not liable for any loss or inconvenience caused as a result of such alteration.

Duplications/recordings

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

First aid

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

Future meetings

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

Lost property

Please hand any lost property to the staff at the registration desk where it will be made available for collection. At the end of the Congress any unclaimed items will be held at the Venue who will manage it from that point forward. Please contact the Venue as soon as possible after the event if you wish to claim lost property.

Name badges

Please wear your name badges at all times, you will not be allowed admission to the session or exhibition halls without a name badge. Name badge holders have been colour coded as follows:

Full delegates	Clear
Board	Red
Invited faculty	Blue
Exhibitors	Yellow
Accompanying persons	Green
Staff	Deep red
Day delegates:	
Saturday	Light blue (<i>pre-Congress courses only</i>)
Sunday	Light green
Monday	Orange
Tuesday	Purple
Wednesday	Pink
Thursday	Clear

Official language

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

Running

Kurt Hecher will be leading a run each morning (Monday to Thursday) around the beautiful Alster Lakes – meet at the Hotel Elysee reception at 07:00! The run is 7.5km and will take approximately 45 minutes. *Please note this is an informal activity undertaken at your own risk – ISUOG accepts no responsibility for any accidents or injuries.*

Smoking policy

Smoking is not permitted in the building.

Telephones

Coin-operated telephones are located throughout the venue.



ISUOG committee meetings

Date	Start time	End time	Meeting	Meeting Room
Saturday 12 September	08:30	18:00	ISUOG Board	Planten un Blomen
Sunday 13 September	08:30	11:30	Meeting Planning Bids Committee	Planten un Blomen
Sunday 13 September	09:00	10:30	Outreach Committee	Room 36/37
Sunday 13 September	11:30	12:30	Scientific Committee	Planten un Blomen
Sunday 13 September	12:45	13:15	Session Chairs' Briefing	Planten un Blomen
Sunday 13 September	15:45	16:05	Annual General Meeting (ALL DELEGATES)	Hall 2
Monday 14 September	07:30	09:00	Web Editorial Board	Planten un Blomen
Monday 14 September	08:30	09:00	Prague Local Organising Committee	Hall 16
Monday 14 September	09:30	10:30	Safety Committee	Hall 16
Monday 14 September	11:00	12:30	Education Committee	Planten un Blomen
Monday 14 September	11:00	12:00	Fetal MRI Focus Group	Hall 16
Monday 14 September	12:30	13:30	Gold Medal Committee	Planten un Blomen
Monday 14 September	13:00	15:00	Journal Management	Room 36/37
Monday 14 September	14:30	15:30	Clinical Standards Committee	Planten un Blomen
Monday 14 September	15:30	16:30	Prenatal Screening Task Force Meeting	Planten un Blomen
Monday 14 September	15:30	17:30	Outreach Committee	Hall 16
Monday 14 September	17:00	18:30	ISUOG Editors Meeting	Planten un Blomen
Tuesday 15 September	08:30	09:00	Journal Watch Meeting	Planten un Blomen
Tuesday 15 September	09:00	10:00	Meeting Planning Committee	Planten un Blomen
Tuesday 15 September	10:30	11:30	Membership Development Committee	Planten un Blomen
Tuesday 15 September	12:30	14:00	Editorial Board	Planten un Blomen
Tuesday 15 September	14:00	16:00	Editorial Board Workshop	Planten un Blomen
Tuesday 15 September	16:30	17:30	Perinatal Doppler Focus Group	Planten un Blomen
Wednesday 16 September	09:00	10:00	3D Focus Group	Planten un Blomen
Wednesday 16 September	11:00	12:00	Fetal Heart Special Interest Meeting	Planten un Blomen
Wednesday 16 September	12:30	14:00	Scientific Committee	Planten un Blomen
Wednesday 16 September	14:30	15:30	Exhibitors' Closing Meeting	Planten un Blomen
Wednesday 16 September	16:30	17:30	Membership Development Committee	Planten un Blomen
Thursday 17 September	09:00	10:00	ISUOG Board (supplementary)	Planten un Blomen

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



20th World Congress on Ultrasound in Obstetrics and Gynecology

10 - 14 October 2010
Prague, Czech Republic

Critical dates

January 2010	Call for papers/registration opens
10 April 2010	Exhibition/sponsorship discount deadline
12 April 2010	Abstract submission and reduced rate registration deadline
10 August 2010	Early bird registration rate deadline
10 October 2010	Onsite registration opens



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

Full delegate fees include a one year membership to ISUOG for 2011 and subscription to Ultrasound in Obstetrics & Gynecology. Existing members also benefit from reduced Congress delegate fees.

www.isuog.org

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19th World Congress on Ultrasound
in Obstetrics and Gynecology



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Email: isuog2009@congrex.se.com
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