



24th World Congress on Ultrasound in Obstetrics and Gynecology

14–17 September 2014, Barcelona, Spain

Final Program

Up to 29 CME credits



Join the conversation... #ISUOG2014



 **isuog**.org

Welcome to our society

What words come to mind when you think of ISUOG?

Results from ISUOG's 2014 membership survey... visit the ISUOG Lounge to have your say!



With more than 8500 members from across 126 countries, ISUOG is the leading international society in its niche field. Our mission is to improve healthcare for women across the world through the provision and broadest dissemination of the highest quality education and research information around ultrasound in obstetrics and gynecology.

All fully paid Congress delegates are now ISUOG members for 2015 and can enjoy their membership benefits immediately. Turn to pages 9 - 12 for ISUOG's membership guide where you can read more about our new projects and opportunities, get involved in exciting activities taking place here in Barcelona and find out more about your membership benefits.

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Organising Committees

Congress Chairs

- E. Gratacós, *Barcelona*
- J. L. Alcázar, *Pamplona*
- B. Puerto, *Barcelona*

Local Organising Committee

- E. Antolin, *Madrid*
- G. Azumendi, *Malaga*
- F. Crispi, *Barcelona*
- E. Eixarch, *Barcelona*
- F. Figueras, *Barcelona*
- E. Llubra, *Barcelona*
- N. Maiz, *Bilbao*
- M. Sanz-Cortés, *Valencia*

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- D. Cafici, *Argentina*
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- A. Abuhamad, *USA*
- A. Ngu, *Australia*
- A. Tabor, *Denmark*
- Y. Ville, *France*

ISUOG President

- Y. Ville, *France*

ISUOG Scientific Committee

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- A. Baschat, *USA*
- T. Bourne, *UK*
- D. Fischerová, *Czech Republic*
- A. Gagnon, *Canada*
- E. Hernandez-Andrade, *México*
- J. Hyett, *Australia*
- A. Papageorgiou, *UK*
- L. Salomon, *France*
- D. Timmerman, *Belgium*

ISUOG Secretariat, UK

- S. Johnson, *CEO*
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Welcome message

On behalf of the ISUOG and Congress organising committees, we are extremely proud to welcome you to Barcelona for the 24th World Congress on Ultrasound in Obstetrics and Gynecology.

The Congress is the leading international event in ultrasound in obstetrics and gynecology attracting the most innovative research in the field. This year we received the largest number of abstract submissions in the history of the event, with close to 1200 abstracts incorporated into the final program. Through careful collation of that research and the addition of expert faculty, our Scientific Committee is confident it has constructed a state-of-the-art program for your enjoyment.

The overall program will offer something for everybody with didactic lectures and interactive practically-focused workshops as well as scientific presentations, providing ample opportunity to learn from our international faculty and connect with world renowned specialists. This year we are also pleased to be supporting the development of up-and-coming physicians through ISUOG's basic training course and our annual Young Investigator award and welcome you to explore our new Masterclasses and sign up for lunch-time Meet the Professor sessions.

We encourage you to take part in our social program and to enjoy the city of Barcelona while you are here. Barcelona is famous for representing a unique combination of the traditional and the contemporary. History, culture, art, architecture, gastronomy and design are integrated in an engaged whole and we hope will permeate all aspects of your time with us.

Thank you to all our invited faculty, delegates and industry partners for your ongoing support of ISUOG. We hope you thoroughly enjoy the Congress.

Welcome to Barcelona!

Eduard Gratacós
Congress Chair

Juan Luis Alcázar
Congress Co-Chair

Bienvenido Puerto
Congress Co-Chair



Critical dates and times

Registration opening hours

Saturday 13 September	07:00 - 17:30
Sunday 14 September	07:00 - 18:30
Monday 15 September	07:00 - 18:30
Tuesday 16 September	07:00 - 18:00
Wednesday 17 September	07:00 - 18:00

The registration area is located in the Congress Foyer, on the ground floor of the CCIB on Saturday and Sunday. From Monday to Wednesday, registration will be in the P1 foyer.

Exhibition opening hours

Sunday 14 September	12:50 - 19:45
Monday 15 September	10:00 - 17:00
Tuesday 16 September	10:00 - 17:00
Wednesday 17 September	10:00 - 16:00

The exhibition is located in the Banquet hall, on the second floor of the CCIB.

Speaker preparation room opening hours

Saturday 13 September	07:30 - 17:30
Sunday 14 September	08:00 - 18:00
Monday 15 September	07:00 - 18:00
Tuesday 16 September	07:00 - 18:00
Wednesday 17 September	07:00 - 17:00

The speaker preparation room is located in Room 134 on the first floor of the CCIB. Speakers MUST check in their presentation at the speakers' preparation room at least four hours prior to the commencement of the session in which they are due to present and preferably the day before their presentation. Please note that laptop plug in facility is by special arrangement only and not available in all sessions. Please refer to pages 22 - 23 for details.



Scientific program hours

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

Pre-Congress courses only

Saturday 13 September 08:30 - 17:10

ISUOG basic training course only

Sunday 14 September 08:00 - 16:15

Main Congress

Sunday 14 September 09:00 - 17:40

(followed by an exclusive performance by renowned Catalan choir, Cor Vivaldi and welcome reception, 17:40 to 19:45)

Monday 15 September 07:30 - 18:05

Tuesday 16 September 07:30 - 18:05

Wednesday 17 September 07:30 - 17:10

(followed by leaving drinks and welcome to Montréal 2015, 17:10-18:00)

Short oral presentations will be presented in chaired discussion sessions:

Monday, Tuesday & Wednesday 09:40 - 10:20
12:10 - 12:50

Monday & Tuesday only 15:40 - 16:20

All short oral presentations and electronic poster slides will be available for viewing at any time in the ISUOG Lounge (in the exhibition hall) on our On Demand viewing terminals or via the interactive digital signage in the foyer.

Chairpersons briefing

Sunday 14 September
10:20, VIP room

More information for Chairpersons on page 23.

ISUOG Annual General Meeting (AGM)

All fully paid delegates are ISUOG members for 2015 and are invited to attend the AGM for an introductory update on all ISUOG activities.

Sunday 14 September 2014
12:10, Auditorium, CCIB

Social program

Opening ceremony & welcome reception

Sunday 14 September, CCIB

All registered delegates, accompanying persons and exhibitors are invited to attend our opening ceremony followed by welcome drinks and tapas in the exhibition hall, on the second floor of the CCIB.

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

- 17:40 Welcome from the Congress Chairs Auditorium, CCIB
- 17:50 Exclusive performance by renowned Catalan choir, Cor Vivaldi Auditorium, CCIB
- 18:15 Welcome reception Exhibition hall, CCIB
- 20:00 Close



Cor Vivaldi

Closing plenary & awards ceremony

Wednesday 17 September at 16:00

Join us for the final plenary and Congress awards in Room 116 + 117. Our last session will include a lively debate on Caesarean scar pregnancies, followed by drinks and snacks to celebrate our 2015 destination city, Montréal!

Complimentary to all fully registered delegates and accompanying persons.



ISUOG Visitor's Guide to Barcelona

Be sure to make the most of the ISUOG Visitor's Guide to Barcelona, prepared by our Local Organising Committee which can be found online at isuog.org/worldcongress. A limited number of printed copies are available at registration.

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



Accompanying person's program

Cost: €150 per person

Available at the registration desk, the accompanying persons' program includes:

- Admission to the Congress opening ceremony and welcome drinks
- Admission to the Congress exhibition area and catering breaks
- Admission to the Congress leaving drinks
- Lonely Planet Barcelona pocket guide
- Barcelona city 24 hour 'Hop-on, Hop-off' bus tour ticket



Congress party

Tuesday 16 September

- Time: 19:30 - midnight
- Venue: El Xalet de Montjuïc Restaurant, Avinguda de Miramar 31, 08038 Barcelona
- Cost: €100 per person (including dinner, all drinks and entertainment!)
- Dress: Cocktail attire

The venue for the 2014 Congress party is El Xalet de Montjuïc restaurant. Located in the city's mountain range, El Xalet offers spectacular views of Barcelona. A three-storey restaurant, our party this year will offer something for everyone: both indoor and outdoor spaces in which to chat, eat and enjoy the unsurpassed vistas, as well as a dedicated level for dancing; perfect for all for those who would like to let loose!



Places are strictly limited and are sold on a first come, first served basis at the registration desk. Please note you will not be allowed entry without your party ticket which is printed with your badge, so do remember to bring it with you.

Congress party transport

Return trip to the Congress party from the Forum area by coach: €10



Purchase a place on one of ISUOG's Congress party buses to save on your transport to and from the event. A limited number of tickets can be purchased at registration and must be handed to ISUOG staff before you board the bus on Tuesday evening.

Buses depart for the party from Avinguda Diagonal in front of the AC Marriot Hotel from 19:15- 20:00. The first return trip back is planned for 22:15 and staggered returns then continue until midnight when the last buses will depart El Xalet.

If you choose not to take the bus, taxis can be booked directly with your hotel.

General information

Cash machines

Banks in Barcelona are normally open Monday to Friday from 08:30 to 14:00. There are cash points located in the **Diagonal Mar Centre Comercial** shopping complex positioned across the road from the CCIB.

Catering

Tea, coffee, lunches and both welcome and closing drinks are included in the registration fees and will be served in the Banquet hall of the CCIB where the exhibition will be held from lunchtime on Sunday to Wednesday. The first coffee break of the Congress will take place in the Auditorium foyer.

Certificates of attendance

To receive your certificate of attendance please hand your Congress evaluation form to the staff at the registration desk before 18:00 on Wednesday 17 September. Your certificate will be sent to you after the Congress to the email address we have for you on file. If you have any questions please ask at the registration desk.

Congress contact details

Contendam (registration & booking enquiries)

26-28 Hammersmith Grove, London, W6 7HA, UK
T: + 44 (0)20 8748 8868 F: + 44 (0)20 8237 4093
E: ISUOG2014@contendam.com

ISUOG Secretariat (all other enquiries)

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E: congress@isuog.org

Disclaimer

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

First aid

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

Future meetings

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

Lost property

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

Name badges

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

Large badge holder:

<input type="checkbox"/> Clear	Full delegates
<input type="checkbox"/> Red	ISUOG Board
<input type="checkbox"/> Blue	Invited faculty
<input type="checkbox"/> Yellow	Exhibitors (access to exhibition areas only)
<input type="checkbox"/> Clear	Staff (with wording STAFF on badge)

Small badge holder:

<input type="checkbox"/> Clear	Day delegate (with day printed)
<input type="checkbox"/> Clear	Accompanying persons (no access to scientific sessions)

Recordings / duplications

Photography, audio taping, video recording or any other form of duplication is strictly prohibited in session halls and poster areas, except with the express consent, in advance, of ISUOG and the speakers involved. All sessions are recorded and made available to delegates and ISUOG members after the Congress, through the ISUOG On Demand web portal.

Official language

The official language of the Congress is English. Translation facilities are only available for one of the pre-Congress courses and ISUOG's basic training course.

Parking

The Venue does not have onsite parking. The closest paid parking can be found at the **Diagonal Mar Centre Comercial** across the road from the CCIB, or at the nearby **Plaça del Fòrum** complex.

Smoking policy

Smoking is not permitted in the venue.

WIFI

Complimentary WIFI is available in some areas of the CCIB, identified by signage.

Discover more about your membership

Welcome to ISUOG. All fully paid delegates are now ISUOG members until December 2015 and join a growing community of 8500 members from across 126 countries.

Your benefits include:

Journal*

Option to receive *Ultrasound in Obstetrics & Gynecology*, the leading peer-reviewed journal in its field, including monthly systematic reviews, referee commentaries and expert perspectives.

*Available to full and online members only
(core members can upgrade online to access the journal)




Trial our new UOG App at the ISUOG Lounge

Events

Reduced fees to ISUOG events:

- 25th World Congress in Montréal, 11 - 14 October 2015
- International Symposium in New Delhi, 1 - 3 May 2015
- ISUOG's 2015 intensive education courses

Online learning

- 400+ web lectures from ISUOG education courses
- World Congress presentations from ISUOG On Demand
-  visuog a visual encyclopedia for ultrasound in obstetrics and gynecology
- Online CME from 2015

Regional education

- Opportunities to participate in ISUOG Outreach projects
- Support for local education through ISUOG's Approved courses program
- ISUOG's expanding collection of translated practice guidelines

Be part of our growing community and join the conversation...

#ISUOG2014     

Visit the ISUOG Lounge

Visit the ISUOG Lounge in the exhibition hall at any time during the Congress to meet the team and explore your ISUOG member benefits!



Stand activities include:

- Meet the team: everything you need to know about your ISUOG membership
- Launch of new journal app, hosted by UOG publishers, Wiley-Blackwell
- Meet our Managing Editor who can answer your queries about publishing in UOG
- Give-aways promoting our 2015 Congress, supported by Tourisme Montréal
- E-poster and scientific program viewing on ISUOG's On Demand viewing terminals

Attend the ISUOG AGM

All ISUOG members (including all delegates) are warmly invited to join us for an update on ISUOG activities and to vote on ISUOG business at the Annual General Meeting (AGM) in Barcelona.

AGM
Sunday
12:10

Sunday 14 September 2014

12.10 - 12.50

Auditorium, CCIB

The agenda and accompanying documents are available at isuog.org/membership/AGM

Celebrate ISUOG's 25th birthday!

As ISUOG approaches its 25th birthday next year, we are asking delegates to visit the Lounge to tell us what the society means to you, anything you would like to see or change and to leave a special birthday message for your fellow members!



Access Congress lectures On Demand

On Demand gives members easy access to selected presentations from past World Congresses and the opportunity to view all of this year's electronic posters and oral presentations as they go live on site in Barcelona. You can access On Demand online, anytime using your member login or at the ISUOG Lounge.



isuog
On Demand

ISUOG is proud to present its new membership resources at the Congress...

New Journal app

The *Ultrasound in Obstetrics & Gynecology* app will offer full and online members enhanced access to cutting-edge research published in the journal.

76 new web lectures

ISUOG has recorded 76 new web lectures from our 2014 intensive education courses: 'Early pregnancy and infertility', 'Imaging in oncology' and 'Fetal anomalies and CNS'. Available at isuog.org/onlinelearning

Basic training curriculum

Following the publication of ISUOG's revised recommendations for basic training in ultrasound for obstetrics and gynecology (*UOG: January 2014*) ISUOG will deliver our new basic training course here in Barcelona on Sunday 14 September, which will be available on our online learning platform, in both Spanish and English.

7 new visuog chapters

ISUOG's visual encyclopedia is growing; visit the ISUOG Lounge to explore seven new visuog chapters on the fetal heart.

Congress simulation centre

As part of our commitment to delivering comprehensive education and training in ultrasound for obstetrics and gynecology ISUOG is exploring the development of simulation in education with our industry partners. Visit the Congress simulation centre in the exhibition hall to tell us what you think about the simulation opportunities.

Online CME coming soon....



Introducing ISUOG's Advisory membership group

ISUOG's Advisory membership group is set up to ensure better representation of our international membership in ISUOG decisions and new activities.

From amongst this group, we would like to acknowledge our Fellows and Ambassadors, who have made significant contributions in support of ISUOG's mission over the years.



ISUOG Fellows

Rabih Chaoui, Pavel Calda, Stuart Campbell, Sturla Eik-Nes, Kurt Hecher, Pentti Joupilla, Davor Jurkovic, Kazuo Maeda, Karel Maršál, Kypros Nicolaides, David Nyberg, Dario Paladini, Gianluigi Pilu, Larry Platt, Roberto Romero, Waldo Sepulveda, Ilan Timor-Tritsch, Boris Tutschek, Lil Valentin, Juriy Wladimiroff, Simcha Yagel

Meet ISUOG's Ambassadors

ISUOG's new Ambassador program aims to support membership growth and provide educational opportunities in underrepresented regions of the world.



The following Ambassadors have been appointed in recognition of the work they are already doing to further ISUOG's mission in key regions. We would like to acknowledge their contributions and welcome them in this role. We are looking forward to working with them all.

Dr Reem Abu-Rustum *Lebanon and Outreach in the Middle East*

Dr Pashant Acharya *India and South Asia*

Dr Fabricio da Costa *South America and Australia*

Dr Lisbet Hanson *North America and Outreach in Haiti*

Professor Mauricio Herrera *Colombia and South America*

Professor Ashok Khurana *India and South Asia*

Dr Asma Khalil *Egypt and North Africa*

Dr KY Leung *China*

Dr Chander Lulla *India and South Asia*

Professor Wellington Martins *Brazil*

Dr Andres Mejides *South America*

De Mirghani Hiasam *Abu Dubai and the Middle East*

Dr Elena Sinkovskaya *Russia*

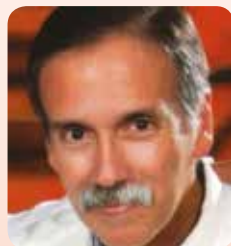
Dr Fred Ushavok *Russia and Slavic regions*

Dr Qingqing Wu *China*

Professor Abdennour Youcef-Khodja *Algeria and North Africa*

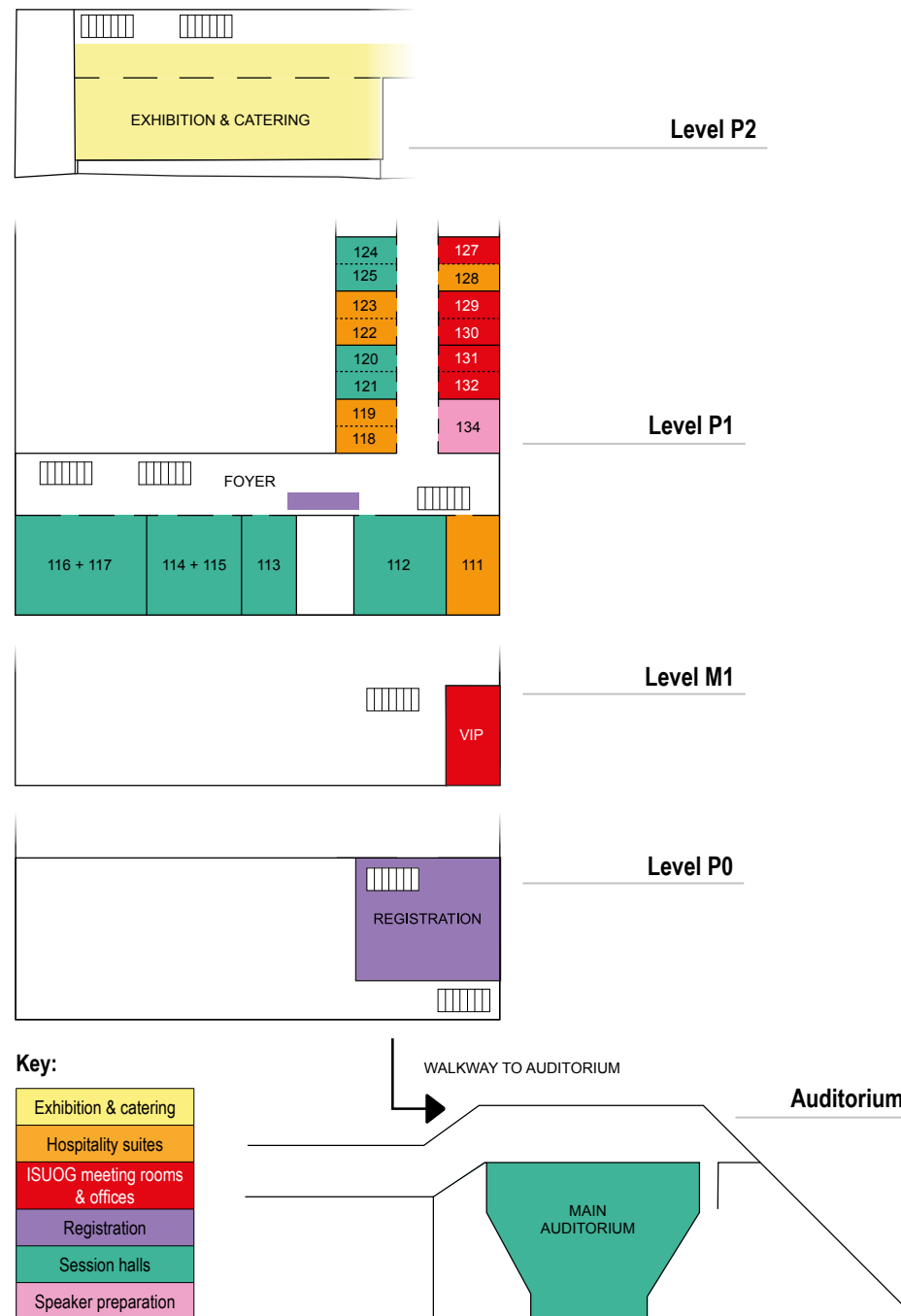
Dr Aly Youssef *Egypt and North Africa*

In memoriam



ISUOG remembers Dr Andy Mejides, a leader of education in our field, founding ISUOG member, contributor and dear friend.

Venue floor plans



Find out more at isuog.org/membership/ambassadors

Saturday 13 September 2014 - Pre-Congress courses

Room 113		Room 114 + 115	Room 120 + 121
07:00	REGISTRATION OPENS		
08:30-17:10	Updates in prenatal diagnosis: screening for aneuploidy	Fetal echocardiography	Ultrasound in the assessment of gynecological cancer

Sunday 14 September 2014

Auditorium	Room 116 + 117	Room 112	Room 113	Room 114 + 115
07:00-09:00	REGISTRATION			
09:00-10:20	Keynote lectures I	Basic training		
10:20-10:50	COFFEE			
10:50-12:50	Plenary: Ian Donald Medal, OC01 - Top abstracts, AGM	Basic training		
12:50-14:25	LUNCH & E-POSTER VIEWING			
13:10-14:10	Industry sponsored satellite symposium	Workshop Early pregnancy complications		
14:25-15:45	LIVE SCAN Workshop Using 3D for assessing complex structures	Workshop Intrapartum ultrasound	Basic training	
15:45-16:20	COFFEE & E-POSTER VIEWING			
16:20-17:40	Keynote lectures II			
17:40-18:10	Opening ceremony			
18:15-19:45	WELCOME RECEPTION (Banquet hall)			

Program key:

Obstetrics sessions	Plenary sessions	Short oral presentations	Masterclass sessions	Pre-Congress courses*	Social
Gynecology sessions	Satellite symposium**	Electronic poster viewing	Meet the Professor sessions	Basic training	

*See p.31-33 for exact timings including coffee & lunch breaks for pre-Congress courses

**See p.134 for our industry satellite program

Monday 15 September 2014

Room 116 + 117	Room 112	Room 114 + 115	Room 113	Room 120 + 121	Room 124 + 125
07:30-08:10	MC: K. Nicolaides	MC: R. Romero	MC: R. Chaoui	MC: H.P. Dietz	
LIVE SCAN	OC03 - Characterising ovarian pathology	OC04 - First trimester screening of aneuploidies and pregnancy complications	OC11 - Simulation		
08:15-09:35	OC02 - Screening and prognosis of major CHD				
09:40-10:20	OP01	OP02	OP03	OP04	
10:15-10:45	COFFEE & E-POSTER VIEWING				
LIVE SCAN	OC06 - Ultrasound in oncology	OC07 - Ultrasound in preterm and term labour			
10:45-12:05	OC05 - CHD: risk factors, predictors and associated diseases				
12:10-12:50	OP05	OP06	OP07	OP08	OP09
12:45-14:15	LUNCH, E-POSTER VIEWING & MEET THE PROFESSOR SESSIONS				
13:10-14:10	Industry sponsored satellite symposium				Meet the Professor roundtable sessions
LIVE SCAN	OC09 - Urogynecology	OC10 - Pre-eclampsia and IUGR: screening and effects			
14:15-15:35	OC08 - Fetal cardiac function				
15:40-16:20	OP10	OP14	OP12	OP13	OP11
16:15-16:45	COFFEE & E-POSTER VIEWING				
LIVE SCAN	Workshop Cardiac borderline findings	Workshop Late onset placental disease	Workshop IOTA		
16:45-18:05	Workshop Urogynecology				

Tuesday 16 September 2014

	Room 116 + 117	Room 112	Room 114 + 115	Room 113	Room 120 + 121	Room 124 + 125
07:30-08:10	MC: A. Baschat	MC: B. Benacerraf	MC: A. Abuhamad	MC: E. Gratacós		
08:15-09:35	LIVE SCAN	OC13 - Abnormal bleeding	OC14 - Caesarean scars and other safety issues			
	OC12 - Impact of CHD on the fetal brain					
09:40-10:20	OP15	OP16	OP17	OP18		
10:15-10:45	COFFEE & E-POSTER VIEWING					
10:45-12:05	LIVE SCAN	OC16 - Pelvic pain and endometriosis	OC17 - Cardiovascular risks in IUGR			
	OC15 - Advanced CNS evaluation in high risk conditions					
12:10-12:50	OP19	OP20	OP21	OP22		
12:45-14:15	LUNCH, E-POSTER VIEWING & MEET THE PROFESSOR SESSIONS					
13:10-14:10	Industry sponsored satellite symposium					Meet the Professor roundtable sessions
14:15-15:35	LIVE SCAN	OC19 - Early pregnancy complications	OC20 - SGA or IUGR?			
	OC18 - Advanced imaging techniques for assessing fetal diseases					
15:40-16:20	OP23	OP24	OP25	OP26	OP27	
16:15-16:45	COFFEE & E-POSTER VIEWING					
16:45-18:05	LIVE SCAN	Workshop Fetoscopic therapy	Workshop Cardiac function	Workshop Brain evaluation from clinical to research applications	Workshop Outreach	
	Diagnosis and treatment of endometriosis					
19:30	CONGRESS PARTY					

Wednesday 17 September 2014

	Room 116 + 117	Room 112	Room 114 + 115	Room 113	Room 120 + 121	Room 124 + 125
07:30-08:10	MC: G. Piliu	MC: B. Benoit	MC: Y. Ville	MC: S. Goldstein		
08:15-09:35	LIVE SCAN	OC22 - Reproductive medicine and IVF	OC23 - Multiple pregnancy			
	OC21 - Managing abnormalities in the second trimester					
09:40-10:20	OP28	OP29	OP30	OP31		
10:15-10:45	COFFEE & E-POSTER VIEWING					
10:45-12:05	LIVE SCAN	OC25 - Menopause and screening	OC26 - Fetal interventions			
	OC24 - Assessing normal and abnormal brain development					
12:10-12:50	OP35	OP32	OP34	OP33		
12:45-14:15	LUNCH, E-POSTER VIEWING & MEET THE PROFESSOR SESSIONS					
13:10-14:10	Industry sponsored satellite symposium					Meet the Professor roundtable sessions
14:15-15:35	LIVE SCAN	Workshop Management of infertility and reproductive medicine	Workshop Diagnosis, management and early-onset IUGR: lessons from the TRUFFLE study			
	Workshop CNS: moving beyond the basics					
15:30-16:00	COFFEE & E-POSTER VIEWING					
16:00-17:10	Closing plenary					
17:10-18:00	LEAVING DRINKS & WELCOME TO MONTRÉAL					

Program key:

- Obstetrics sessions
- Gynecology sessions

- Plenary sessions
- Satellite symposium**

- Short oral presentations
- Electronic poster viewing

- Masterclass sessions
- Meet the Professor sessions

- Social

**See p. 134 for our industry satellite program

Program orientation

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

The full program is available on our itinerary planner found online at isuog.org/worldcongress/2014 or on the ISUOG2014 app where you can build your own program for the event.

Please remember if you miss any presentation you will be able to view it later via our On Demand viewing terminals in the ISUOG Lounge in the exhibition hall and on the interactive digital signage in the foyer.



Session types explained...

Plenary sessions

Plenary sessions include invited talks and special lectures on Sunday 14 September and invited presentations as well as a debate on Caesarean scar pregnancies on Wednesday 17 September.

Scientific sessions

Scientific sessions run in parallel rooms from Monday to Wednesday. These sessions include invited talks, oral communication presentations (OCs) and short oral presentations (OPs). Electronic poster (P) presentations are also part of the scientific program, viewable on the On Demand platform.

Invited talks

ISUOG faculty members have been invited to present the state of the art on topics as overviews to sessions or in more detail within workshops. See below the colours used to differentiate between gynecology and obstetrics sessions.

Obstetrics

Gynecology

Masterclasses

Masterclasses are focused, specialist seminars providing an overview on cutting-edge topics and insight from key experts in the field.

Meet the Professor sessions

These are educational roundtable discussions led by leading experts in the field over lunch. Professors will focus on case studies and delegates can come with their own questions too. Places are strictly limited to 10 per Professor session and allocated on a first come first serve basis, so delegates must book at the registration desk to secure a seat. Register between 15:00 and 18:00 the day before the session. Once fully booked we ask interested delegates to line up outside the Meet the Professor room before the start time and any unclaimed seats will be offered to those waiting in order of arrival.

OC (oral communication)

Presented within 3 main parallel sessions, OC abstract authors are allocated 5 minutes for their presentation, plus 3 minutes for discussion.

OP (short oral presentation)

OPs are poster submissions considered suitable for short oral presentation within between 4 to 5 parallel sessions depending on the Congress day. OP abstract authors are allocated 2 minutes to summarise their poster. Discussion will follow either after the presentation or at the end of the session at the discretion of the Chair.

P (electronic poster)

Abstracts accepted as view only posters are available for viewing throughout the Congress on the On Demand viewing terminals located in the ISUOG Lounge in the exhibition hall as single PowerPoint slides. Authors may be contacted for discussion through the integrated email facility.

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

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

Workshops

Educational workshops take place each day and run in parallel on Sunday 14 from 14:25-15:45, Monday 15 and Tuesday 16 from 16:45-18:05 and on Wednesday 17 from 14:15-15:35. They consist of between 3 and 5 didactic lectures on key special interest areas and in some cases live scan demonstrations where appropriate. Anyone can attend these popular sessions, but on a first come, first served basis.

Live scan

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

ISUOG's basic training course

ISUOG's basic training course will be held on Sunday 14 September from 08:00 - 16:15 in parallel with the Congress program. This is aimed at entry level trainees beginning their career in obstetrics and gynecology providing an introduction to the basic principles of obstetric ultrasound.

Awards

The Young Investigator prize and awards for the best presentations in each topic area will be announced at the closing session on Wednesday 17 September and formally acknowledged in our journal, *Ultrasound in Obstetrics & Gynecology*.



CME accreditation

Up to 29 CME credits are available for the Congress

Up to 6 CME credits are available for the pre-Congress courses

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 '24th World Congress on Ultrasound in Obstetrics and Gynecology' is designated for a maximum of (or 'for up to') 29 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.

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

Access the Congress App



Keep up to date with the program on your smartphone!

Key features include:

- Personalise your agenda and plan your day
- View recorded lectures
- Take notes during the event which you can download later
- View the venue floorplan

To access the app go to m.livegroup.co.uk/isuog2014

List of invited faculty

- | | | | |
|----------------------------|----------------------------|--------------------------|----------------------------|
| A. Abuhamad (USA) | J. Copel (USA) | K. Kagan (Germany) | S. Quenby (UK) |
| R. Abu-Rustum (Lebanon) | F. Crispi (Spain) | J. Kaijser (Belgium) | R. Quidant (Spain) |
| J. L. Alcázar (Spain) | A. Davison (UK) | K. Kalache (Germany) | N. Raine-Fenning (UK) |
| M. Al-Memar (UK) | J. Deprest (Belgium) | A. Khalil (UK) | C. Rodeck (UK) |
| F. Amant (Belgium) | G. DeVore (USA) | M.Y. Kim (Rep. of Korea) | R. Romero (USA) |
| E. Antolin (Spain) | H.P. Dietz (Australia) | T.K. Lau (Hong Kong) | J. Rychik (USA) |
| F. Audibert (Canada) | T. Eggebø (Norway) | C. Lees (UK) | L. Salomon (France) |
| G. Azumendi (Spain) | S. Eik-Nes (Norway) | K.Y. Leung (Hong Kong) | K. Salvesen (Sweden) |
| P. Barri (Spain) | E. Eixarch (Spain) | E. Llurba (Spain) | M. Sanz-Cortes (Spain) |
| P. Barri-Soldevila (Spain) | C. Ekelund (Denmark) | N. Maiz (Spain) | L. Savelli (Italy) |
| J. Bartha (Spain) | E. Epstein (Sweden) | K. Maršál (Sweden) | R. Schild (Germany) |
| A. Baschat (USA) | B. Faas (Netherlands) | J.M. Martínez (Spain) | W. Sepulveda (Chile) |
| J. P. Bault (France) | F. Figueras (Spain) | S. Martínez (Spain) | A. Smith (UK) |
| M. Bebbington (USA) | D. Fischerová (Czech Rep.) | W. Martins (Brazil) | A. Tabor (Denmark) |
| B. Benacerraf (USA) | J.C. Fouron (Canada) | F. Molina (Spain) | A. Testa (Italy) |
| B. Benoit (France) | A. Gagnon (Canada) | H. Muñoz (Chile) | B. Thilaganathan (UK) |
| A. Bhide (UK) | A. Galindo (Spain) | A. Ngu (Australia) | Z. Tian (USA) |
| C.M. Bilardo (Netherlands) | H. Gardiner (USA) | K. Nicolaides (UK) | D. Timmerman (Belgium) |
| S. Bobdiwala (UK) | S. Goldstein (USA) | N. Okun (Canada) | I. Timor-Tritsch (USA) |
| A. Borrell (Spain) | A. Goncá (Spain) | D. Oros (Spain) | M. Tolsgaard (Denmark) |
| T. Bourne (UK) | E. Gratacós (Spain) | M. Palacio (Spain) | L. Valentin (Sweden) |
| M. Brännström (Sweden) | B. Graupera (Spain) | D. Paladini (Italy) | B. Van Calster (Belgium) |
| C. Brezinka (Austria) | S. Guerriero (Italy) | A. Papageorgiou (UK) | T. Van den Bosch (Belgium) |
| R. Brown (Canada) | K. Hecher (Germany) | M. Pascual (Spain) | C. Van Holsbeke (Belgium) |
| E. Bujold (Canada) | K. Heling (Germany) | A. Pellicer (Spain) | Y. Ville (France) |
| E. Campbell (UK) | E. Hernandez-Andrade (USA) | O. Petersen (Denmark) | J. Wladimiroff (UK) |
| E. Carreras (Spain) | M. Herrera (Colombia) | G. Pilu (Italy) | S. Yagel (Israel) |
| J. Carvalho (UK) | L. Hui (Australia) | L. Platt (USA) | M. Yamamoto (Chile) |
| G. Chalouhi (France) | J. Hyett (Australia) | L. Poon (UK) | G. Yeo (Singapore) |
| R. Chaoui (Germany) | N. Jastrow (Switzerland) | D. Prayer (Austria) | A. Youssef (Italy) |
| C. Comas (Spain) | A. Johnson (USA) | B. Puerto (Spain) | |
| G. Condous (Australia) | D. Jurkovic (UK) | D. Pugash (Canada) | |

Speaker declarations

The following declarations of interest have been received:

- | | |
|-------------------|--|
| B. Benacerraf | Is an unpaid consultant for GE Healthcare |
| B. Bermejo | Offers NIPT to Natera (OP03.03) |
| E. Bonet-Carne | Is employed by Transmural Biotech S.L. Company and is involved in patent-licensing arrangements (OP02.11) |
| J. Caudwell- Hall | Notes the receipt of unrestricted education grants from GE Medical (linked to H.P. Dietz) (OP14.01) |
| C. Comas | Is a member of the Natera speaker bureau (OP03.02, OP03.05, P01.05) |
| H.P. Dietz | Has received unrestricted grants from GE (OC09.03, OP14.05). Some presentations may include references to commercial 4D ultrasound systems. |
| H. Feltoovich | Receives technical support and equipment loans from Siemens Ultrasound USA (OP23.01) |
| V. Ferando | Participation at the Congress is supported by GE (OP13.04, P03.11) |
| L. Fosler | Is employed by Illumina Inc. (P01.16) |
| S. Goldstein | Is a consultant for Cook Medical |
| T. Hall | Is an Advisory Board Member and receives technical support and equipment loans from Siemens Healthcare, Ultrasound Division (OP02.01) |
| L. Hui | Specific commercial NIPT assays may be mentioned in her presentation but only for educational purposes, trade names will be avoided wherever possible. |
| T.K. Lau | His presentation may refer to the NIFTY test by BGI |
| G. Lazarin | Is an employee of Counsyl, a molecular genetic testing laboratory (OP35.12) |
| M. Moellers | Receives funding of the microbial analysis and a minor allowance from Nanosonics Ltd (OP17.01) |
| L. Poon | Studies have involved PAPP-A and PIGF kits (PerkinElmer) and ultrasound data software (Viewpoint and astraia) |
| E. Quarello | Is a medical advisor to Samsung (OP15.04) |
| N. Raine-Fenning | Is a luminary and advisor for GE Healthcare. |
| M. Ruma | Has been compensated at fair market value for Philips Ultrasound Inc. as the principal investigator completing two one-week long clinical validation studies of the VISIQ ultrasound system to obtain user feedback. Philips Ultrasound Inc. also provided 2 additional software licenses for 2 of 30 ultrasound machines which required this to complete a practice-wide study. No compensation was received to submit these abstracts (P22.10, P24.01) |
| J. Steinhart | The multicentre study of the Fetal Imaging Research Group Germany was supported by Toshiba Medical Systems Europe by lending US-Systems and offline Software and a grant of the DEGUM (OP05.05) |
| B. Stos | Is the creator of HeBee and holds 50% of the society (P09.09) |
| A. Willruth | This study was funded in part by a grant of the German Society of Ultrasound in Medicine and technical support provided by Toshiba Medical Systems Corporation, Ottawa, Tochigi, Japan (OP10.02) |

The following presentations will include discussion of commercial products/services:

OC07.06, OC09.03, OC09.06, OC09.07, OC09.08, OC13.01, OC14.03, OC22.03, OC22.05, OC22.06, OP02.05, OP02.06, OP02.11, OP03.02, OP03.03, OP03.05, OP06.03, OP07.01, OP12.01, OP14.01, OP14.05, OP14.06, OP14.11, OP17.01, OP17.04, OP20.06, OP22.10, OP23.01, OP23.06, OP31.03, OP35.12, P01.05, P01.16, P02.09, P07.16, P09.09, P11.20, P17.05, P17.11, P18.09, P22.08, P22.10, P24.01, P30.08, P30.09

The following presentations will include discussion of investigative or off label uses of products:

OC17.03, OC21.06, OP02.05, OP02.06, OP09.02, OP09.03, OP20.06, OP20.08, OP23.01, P02.09, P16.03, P18.15, P21.04, P22.02, P22.06, P23.13, P23.16, P27.04, P31.02

The following presentations will include discussion of clinical studies:

OC01.05, OC03.06, OC05.01, OC07.05, OC09.03, OC10.01, OC10.06, OC12.04, OC13.01, OC16.01, OC16.04, OC16.06, OC16.07, OC17.01, OC17.02, OC17.03, OC18.01, OC19.01, OC19.02, OC19.07, OC21.06, OC22.03, OC23.07, OC26.05, OP03.03, OP04.04, OP04.07, OP05.05, OP05.08, OP07.03, OP07.08, OP07.09, OP09.02, OP09.03, OP09.08, OP09.09, OP10.06, OP11.01, OP12.01, OP12.06, OP13.02, OP14.05, OP14.06, OP15.01, OP17.02, OP17.06, OP17.07, OP17.10, OP18.07, OP19.10, OP20.01, OP20.02, OP20.06, OP20.08, OP21.07, OP22.02, OP22.04, OP23.01, OP23.06, OP24.01, OP24.02, OP26.02, OP26.10, OP28.10, OP29.03, OP29.09, OP30.08, OP31.03, OP31.07, OP32.02, OP33.03, OP33.05, OP35.07, OP35.09, P01.17, P02.05, P02.09, P03.17, P04.10, P06.22, P07.16, P07.20, P10.17, P13.03, P13.08, P13.12, P13.21, P15.03, P15.04, P15.12, P15.16, P15.22, P15.23, P17.01, P17.11, P18.01, P18.03, P18.09, P18.15, P19.01, P19.07, P19.09, P19.13, P20.11, P21.09, P22.01, P22.03, P22.06, P22.08, P23.02, P23.07, P23.10, P23.11, P23.13, P23.16, P24.12, P26.05, P27.04, P27.10, P28.01, P28.02, P28.03, P28.04, P28.07, P28.11, P28.13, P28.15, P29.18, P30.15, P31.02, P32.05



Chairperson, speaker & presenter guidelines

Essential information

If you are chairing, speaking in a session, presenting an oral communication (OC), delivering a short oral presentation (OP), or have an electronic poster (P), you will need to refer to the guidelines below. Please note that there may be several sections which are relevant to your activities. If you have any questions, please address them to the staff in the speakers' preparation room (Room 134, first floor CCIB).

Our presentation system is networked to all session halls and all talks must be uploaded in advance. OC, OP and P presentations should have been uploaded online prior to the Congress. Those that have not been, must be uploaded in the speakers' preparation room at least four (4) hours prior to the commencement of the session in which they are due to be presented and preferably the day before. Speakers can then check their presentation with the audio-visual staff prior to the presentation being sent to the lecture hall. Mac users and those with complex video can be accommodated. All session halls are equipped with the necessary technical requirements and back-up systems. Please note that personal laptops may not be used in the session halls. Any speaker is welcome to preview his or her talk on the system before their session.

All uploaded, oral sessions will be recorded by ISUOG and made available for viewing (but not download) to delegates and ISUOG members on **ISUOG On Demand**, the Congress web portal. All accepted abstract authors have been asked in advance to give their consent to the recording of their presentations. Only authors who have not completed this section will be asked to complete a release form for this onsite, and we thank you for supporting this service to our members. Please note that publication embargoes can be applied if necessary. The portal will be available on the ISUOG Lounge in the exhibition hall on the ISUOG On Demand viewing terminals and via the interactive digital signage in the foyer. Please address any queries to the technical staff in the speakers' preparation room.

General notes for all presenters (invited, OC and OP)

Please meet at the front of the session hall 15 minutes before the start of the session to introduce yourselves, and allow the chairperson to confirm the format for the session (please note some OP sessions will only be able to meet 5 minutes beforehand as the room will be in use. Please check the daily program to see if this affects you).

- All presentations must be in English. Please ensure that you speak slowly and clearly throughout. This will assist audience members who do not have English as their first language.
- If you are presenting an oral communication (OC) you should not present the background to your particular study or data set. This can be repetitive if several related studies are to be presented, and will be covered separately within the session if considered necessary. Time is short, so please keep your talk concise and focus only on your new data.
- Discussion time has been allocated to each session so please look at the program closely for details.
- The program schedule is extremely tight, so all speakers must adhere to the time allocated to them. Should a speaker overrun, chairpersons are instructed to interrupt and request that the speaker stop. Please be considerate of other speakers if you are asked to conclude your talk and please do so promptly.
- It is increasingly difficult to prevent individuals from recording sessions. All delegates have been requested not to do this, but ISUOG can take no responsibility for third party recordings. Please remind delegates that all sessions are recorded to On Demand and will be available to access online after the Congress. We request that speakers who specifically object to audio/video recording of their presentations state this before their lecture.
- At the closing ceremony the scientific committee will announce the best presentations within subject categories and the Young Investigator winner. Chairpersons are asked to assist in the selection process by scoring presentations.

Chairpersons

There will be a chairpersons' briefing on Sunday 14 September at 10:20 in the VIP room on level M1 of the CCIB to confirm session formats and demonstrate the presentation management tool. The briefing will last no longer than 30 minutes and tea, coffee and snacks will be served. Your role is crucial to our Congress success and we are grateful for your support.

- It is your responsibility to ensure strict adherence to presentation times as listed in the program and to direct and moderate discussion. There will be a countdown system in place in the main session halls to assist you with this.
- Should a speaker not arrive for his/her presentation, please fill in the additional time with discussion or, provided all other speakers are present, please move forward with the program. However please try not to deviate dramatically from the advertised program because delegates will rely on precise timing as they move across sessions.
- At the start of the session, please ask the audience to silence all mobile devices. Please remind the audience that the recording of sessions is not permitted and to refrain from any flash photography during presentations. ISUOG will record all lectures and make them available online.
- There will be a host/hostess assigned to the session hall who will assist with any requirements you may have for the running of the session. A technician from the audio-visual team will also be available.
- There will be standard microphones within each hall for discussions. Delegates will need to wait behind the microphones to ask their questions. Please direct the audience at the start of the session as to how questions will be managed to ensure the best use of time.

Chairpersons's briefing - Sunday 14 September at 10:20 - VIP room



Posters - Short oral presentations (OP) and electronic posters (P)

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

OP and P slides will be available for viewing as posters from Sunday 14 to Wednesday 17 September 2014 in the ISUOG Lounge in the exhibition hall on the ISUOG On Demand viewing terminals. Authors can be contacted through this system, so please try and check your emails regularly in case you have been contacted by a participant who has questions.

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

- Presenters may report to the speaker preparation room the day before their presentation to check their presentation or can check directly on the ISUOG On Demand terminals in the ISUOG Lounge in the exhibition hall and via the interactive digital signage in the foyer.
- Presenters should arrive at the relevant session hall at least 15 minutes prior to the listed time.

Masterclasses at a glance

Day & time	Session	Presented by	Room
Monday (07:30 - 08:10)	Studying the embryonic and early brain in 2D and 3D	<i>R. Chaoui (Germany)</i>	114 + 115
	How to assess the pelvic floor	<i>H.P. Dietz (Australia)</i>	113
	Pre-eclampsia	<i>K. Nicolaides (UK)</i>	116 + 117
	Cervical length, progesterone, cerclage and pessary for the prevention of preterm birth	<i>R. Romero (USA)</i>	112
Tuesday (07:30 - 08:10)	Pearls in cardiac imaging	<i>A. Abuhamad (USA)</i>	114 + 115
	Prevention of pre-eclampsia: going beyond aspirin	<i>A. Baschat (USA)</i>	116 + 117
	How can 3D enhance the gynecological ultrasound investigation?	<i>B. Benacerraf (USA)</i>	112
	The integrated approach to fetal growth restriction	<i>E. Gratacós (Spain)</i>	113
Wednesday (07:30 - 08:10)	Use of 3D volume for a better understanding of embryo development	<i>B. Benoit (France)</i>	112
	Ultrasound in the postmenopausal woman	<i>S. Goldstein (USA)</i>	113
	Sonography of fetal malpositions in labour	<i>G. Pilu (Italy)</i>	116 + 117
	Congenital infections	<i>Y. Ville (France)</i>	114 + 115

New to the ISUOG World Congress in 2015...

Masterclasses offer insight from key experts in their subject of choice. Join them over tea and coffee each Congress morning for these exciting state-of-the-art sessions!



Meet the Professors at a glance

Day & time	Professor	Room
Monday (13:15 - 14:00)	<i>B. Benacerraf (USA)</i> <i>C. Brezinka (Austria)</i> <i>G. Condous (Australia)</i> <i>E. Epstein (Sweden)</i> <i>S. Goldstein (USA)</i> <i>K. Maršál (Sweden)</i> <i>G. Pilu (Italy)</i> <i>W. Sepulveda (Chile)</i> <i>I.E. Timor-Tritsch (USA)</i>	124 + 125
Tuesday (13:15 - 14:00)	<i>M. Bebbington (USA)</i> <i>S. Campbell (UK)</i> <i>J.S. Carvalho (UK)</i> <i>S Eik-Nes (Norway)</i> <i>H. Gardiner (USA)</i> <i>A. Johnson (USA)</i> <i>C. Lees (UK)</i> <i>L. Platt (USA)</i> <i>D. Timmerman (Belgium)</i>	124 + 125
Wednesday (13:15 - 14:00)	<i>A. Baschat (USA)</i> <i>C.M. Bilardo (Netherlands)</i> <i>T. Bourne (UK)</i> <i>K. Hecher (Germany)</i> <i>J. Hyett (Australia)</i> <i>D. Jurkovic (UK)</i> <i>B. Thilaganathan (UK)</i> <i>L. Valentin (Sweden)</i>	124 + 125

Meet some of our expert faculty face to face!

Book now for Meet the Professor lunch sessions of your choice at the registration desk. Places are strictly limited to 10 attendees per Professor and allocated on a first come, first served basis. Don't miss out... book your place between 15:00 and 18:00 the day before the session.



Short oral presentations at a glance

Day & time	Short oral presentation		Room
Monday (09:40 - 10:20)	OP01	Identification and prognosis of fetal cardiac disease	116 + 117
	OP02	Preterm labour	112
	OP03	First trimester screening of aneuploidies and pregnancy complications	114 + 115
	OP04	Characterising ovarian pathology	120 + 121
Monday (12:10 - 12:50)	OP05	CHD: early diagnosis and new imaging methods	116 + 117
	OP06	The first trimester scan	112
	OP07	Ultrasound in labour at term	114 + 115
	OP08	Assessment of fetal wellbeing	113
	OP09	Ultrasound in oncology	120 + 121
Monday (15:40 - 16:20)	OP10	Fetal cardiac function to assess fetal conditions	116 + 117
	OP11	Multiple pregnancy I	120 + 121
	OP12	Placental function and pre-eclampsia	114 + 115
	OP13	Advanced CNS assessment in normal and abnormal conditions	113
	OP14	Urogynecology	112
Tuesday (09:40 - 10:20)	OP15	Diagnosis and management of CHD	116 + 117
	OP16	Abnormal bleeding	112
	OP17	Caesarean scars and other quality and safety issues	114 + 115
	OP18	Placental insufficiency	120 + 121
Tuesday (12:10 - 12:50)	OP19	CNS: advanced assessment of the posterior fossa and corpus callosum	116 + 117
	OP20	Pelvic pain and endometriosis	112
	OP21	Diagnosis and management of growth restriction	114 + 115
	OP22	New imaging technologies: MRI and others	120 + 121
Tuesday (15:40 - 16:20)	OP23	New imaging technologies: ultrasound	116 + 117
	OP24	Early pregnancy complications	112
	OP25	Placental disease in IUGR and pre-eclampsia	114 + 115
	OP26	Heart defects and cardiac function	113
	OP27	Case reports: fetal anatomy	120 + 121
Wednesday (09:40 - 10:20)	OP28	Improving the accuracy of ultrasound for anomalies	116 + 117
	OP29	Growth restriction in late pregnancy	112
	OP30	Multiple pregnancy II	114 + 115
	OP31	Reproductive medicine	120 + 121
Wednesday (12:10 - 12:50)	OP32	Fetal anomalies	112
	OP33	Systematic reviews in gynecology	120 + 121
	OP34	Fetal interventions	114 + 115
	OP35	Chromosomal abnormalities: from borderline findings to invasive testing	116 + 117

Electronic posters at a glance

Electronic posters (P) are available for viewing throughout the Congress on the ISUOG On Demand terminals located in the ISUOG Lounge in the exhibition hall. You can also send questions or comments to authors using our integrated e-mail facility. Electronic posters are subject categorised in the following pages.

Poster sessions			
P01	First trimester screening and ultrasound	P17	Ultrasound in labour at term
P02	First trimester: case series and reports	P18	Multiple pregnancy I
P03	CNS I: midline, ventricular system and posterior fossa	P19	Multiple pregnancy II
P04	CNS II: case reports and reviews	P20	Fetal interventions I
P05	CNS III	P21	Fetal interventions II
P06	Congenital heart defects and cardiac function I	P22	New imaging technologies I
P07	Congenital heart defects and cardiac function II	P23	New imaging technologies II
P08	Congenital heart defects including case reports I	P24	New imaging technologies III
P09	Congenital heart defects including case reports II	P25	Caesarean scars and other quality and safety issues
P10	Second trimester ultrasound	P26	Early pregnancy complications
P11	Case reports: fetal anatomy I	P27	Ovarian masses
P12	Case reports: fetal anatomy II	P28	Pelvic pain and endometriosis
P13	Normal and abnormal growth	P29	Reproductive medicine
P14	Placental insufficiency	P30	Abnormal bleeding
P15	Third trimester and fetal surveillance	P31	Ultrasound in oncology
P16	Preterm labour	P32	Urogynecology

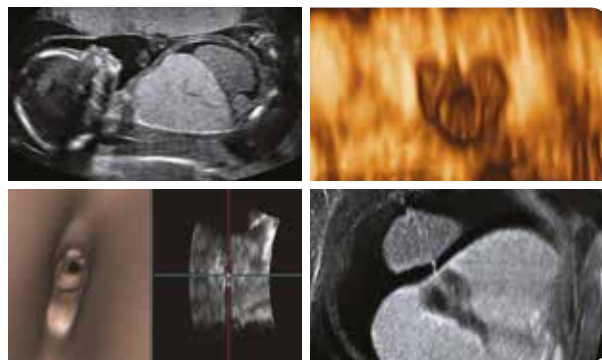
ISUOG On Demand

View ISUOG Congress presentations online, anytime!



- All presentations (OC, OP, P, invited talks and workshops) will be recorded and made available on our On Demand platform.
- Access to this resource is free to all delegates during the Congress, on the **viewing terminals** located in the **ISUOG Lounge** in the exhibition hall, via the interactive digital signage in the foyer and to 2015 ISUOG members for the following year online.
- Revisit your favourite lectures or view missed sessions at your leisure.

ISUOG Education 2014



Ultrasound plus: thorax, neck and diaphragm anomalies - the whole picture

Caterina Bilardo (The Netherlands),
Christoph Lees (UK) & Neil Sebire (UK)

31 October - 1 November 2014
London, UK

In this two day program, our expert faculty will cover: pathology, genetics, imaging, management, delivery, neonatal care, surgery and outcomes in congenital abnormalities of the thorax, neck and diaphragm. Current areas of debate and controversy will also be considered.

At the end of the course, delegates will have an in depth specialised knowledge of the indications for intervention and delivery, where and how it should be carried out and how parents are best counselled.

ISUOG member fee: £312

Non-member fee: £362

(includes 2015 ISUOG core membership)

CME credits will be available

About ISUOG Education

ISUOG delivers quality education courses across Europe and Australasia in Ultrasound in Obstetrics and Gynecology, providing up to date research and clinical guidance for a range of topics and professional levels. Our courses are dynamic, interactive and provide delegates with practical tips as well as excellent networking opportunities.

Our previous obstetric course delegates said:

'Very interactive and lots of scan pictures, I found it really useful'

'Very inspiring course'

'Good, extensive course'

Places strictly limited

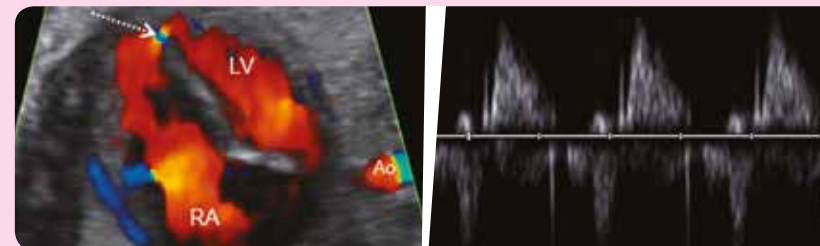
Register now at
isuog.org/events

Pre-Congress courses

08:30 - 17:10

Room 114 + 115

Fetal echocardiography



Pre-Congress course

08:30 - 16:50

Room 113

Updates in prenatal diagnosis: screening for aneuploidy



Presented in partnership with:

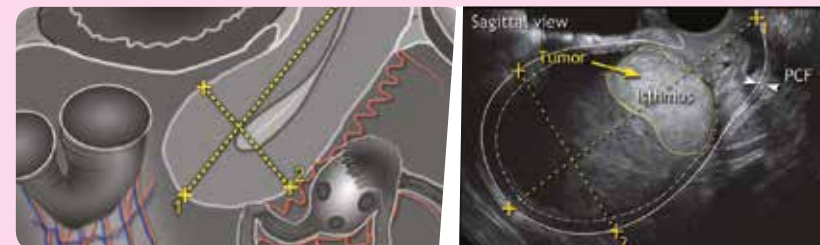


Pre-Congress course

08:30 - 16:45

Room 120 + 121

Ultrasound in the assessment of gynecological cancer



Pre-Congress course

7 new chapters on the fetal heart

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Program - Saturday 13 September 2014

08:30 - 17:10 **Fetal echocardiography** Room 114 + 115

Chairs: *R. Chaoui (Germany); J.M. Martínez (Spain)*

08:30 Welcome, introduction and learning objectives
R. Chaoui (Germany); J.M. Martínez (Spain)

Technical aspects

08:45 ISUOG guidelines, planes and indications for fetal echocardiography
J.M. Martínez (Spain)

09:15 Cardiac presets: 2D and colour Doppler
R. Chaoui (Germany)

09:45 Multiplanar mode and STIC of the heart
K. Heling (Germany)

10:15 - 10:45 **Coffee**

Specific conditions

10:45 The common cardiac defects: the leading symptoms
R. Chaoui (Germany)

11:30 Case reports and discussion
J.M. Martínez (Spain); K. Heling (Germany); R. Chaoui (Germany)

12:00 - 13:00 **Lunch**

13:00 Aortic coarctation: from diagnosis to outcome
A. Galindo (Spain)

13:45 Diagnosing transposition of the great arteries
D. Paladini (Italy)

14:30 Potentials and limitations of valvuloplasty in the fetus
J.M. Martínez (Spain)

15:00 - 15:30 **Coffee**

15:30 Cardiac and abdominal fetal venous system
S. Yagel (Israel)

16:15 Case reports and quiz
R. Chaoui (Germany)

17:00 Summary
R. Chaoui (Germany); J.M. Martínez (Spain)

17:10 Close

Program - Saturday 13 September 2014

08:30 - 16:50 Updates in prenatal diagnosis: screening for aneuploidy **Room 113**

Chairs: *J. Hyett (Australia)*; *B. Faas (Netherlands)*

Presented in partnership with:



Established benchmarks

- 08:30 Combined first trimester screening: implementation in Spain
A. Borrell (Spain)
- 09:00 The impact of a population-based program for aneuploidy screening
C. Ekelund (Denmark)
- 09:30 Cell-free DNA / NIPT: does it work and how effective is it?
L. Hui (Australia)

10:00 - 10:30 Coffee

Implementation of NIPT in clinical practice

- 10:30 Introducing NIPT into clinical practice: The Netherlands model
B. Faas (Netherlands)
- 11:00 Cost analysis for use of cfDNA in a public health service
N. Okun (Canada)
- 11:30 Combined FTS, cfDNA testing or both?
J. Hyett (Australia)

12:00 - 13:00 Lunch

Second generation of cfDNA testing

- 13:00 Maximising potential: applying molecular genomics to best advantage in prenatal diagnosis
L. Hui (Australia)
- 13:30 Low-coverage massively parallel sequencing to detect atypical chromosomal abnormalities
T.K. Lau (Hong Kong)
- 14:00 Screening tools for micro-deletions: do they make sense?
O. Petersen (Denmark)

14:30 - 15:00 Coffee

Extended applications

- 15:00 The real value of first trimester ultrasound
A. Baschat (United States)
- 15:40 Using cell free nucleic acids to investigate other obstetric complications
J. Hyett (Australia)
- 16:20 Discussion
- 16:50 Close

Program - Saturday 13 September 2014

08:30 - 16:45 Ultrasound in the assessment of gynecological cancer: practical tips and case presentations **Room 120 + 121**

Chairs: *J.M. Alcázar (Spain)*; *D. Fischerová (Czech Republic)*; *E. Epstein (Sweden)*

- 08:30 Welcome
- 08:40 The role of modern imaging techniques in the assessment of a gynecological cancer patient: do we have an ideal imaging technique?
D. Fischerová (Czech Republic)
- 09:10 How to assess a woman presenting with adnexal mass
D. Timmerman (Belgium)

10:10 - 10:40 Coffee

- 10:40 Difficult ovarian tumors: case report presentation
E. Epstein (Sweden); *J.M. Alcázar (Spain)*; *D. Fischerová (Czech Republic)*; *D. Timmerman (Belgium)*
- 11:25 How to scan endometrial cancer: practical tips and case presentations
E. Epstein (Sweden)

12:05 - 13:05 Lunch

- 13:05 LIVE SCAN: how to assess the pelvis [industry supported*]
A. Testa (Italy)
- 13:25 How to scan cervical cancer: practical tips and case presentations
A. Testa (Italy)
- 13:55 LIVE SCAN: how to assess the abdomen [industry supported*]
D. Fischerová (Czech Republic)
- 14:35 Ovarian cancer staging
D. Fischerová (Czech Republic)

15:15 - 15:45 Coffee

- 15:45 How and when to perform tru-cut biopsy
E. Epstein (Sweden)
- 16:05 The role of new ultrasound techniques in the assessment of gyne-oncological patients
J.M. Alcázar (Spain)
- 16:35 Summary
- 16:45 Close

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

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Program - Sunday 14 September 2014

Basic Training	08:00 - 16:15 ISUOG's basic training course <i>Room 113</i>
Plenaries	09:00 - 10:20 ISUOG keynote lectures I <i>Auditorium</i>
	10:50 - 12:50 Ian Donald Medal, top abstracts and ISUOG AGM <i>Auditorium</i>
Sponsor	13:10 - 14:10 Industry sponsored satellite symposium <i>Room 116 + 117</i>
Workshops	14:25 - 15:45 Using 3D for assessing complex structures <i>Room 116 + 117</i> Early pregnancy complications <i>Room 114 + 115</i> Intrapartum ultrasound <i>Room 112</i>
	16:20 - 17:40 ISUOG keynote lectures II <i>Auditorium</i>
	17:40 - 18:10 Opening ceremony <i>Auditorium</i>
Social	18:15 - 19:45 Welcome reception <i>Banquet hall</i>

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Program - Sunday 14 September 2014

08:00 - 16:15 ISUOG's basic training course Room 113

	Chairs: J. Wladimiroff (United Kingdom); C. Lees (United Kingdom)
08:00	ISUOG's education and goals <i>C.M. Bilardo (Netherlands)</i>
08:05	ISUOG's recommendations for basic training <i>A. Tabor (Denmark)</i>
08:15	Discussion
08:20	Getting started: how does it work and is it safe? <i>K.Å. Salvesen (Sweden)</i>
08:40	Transvaginal and transabdominal ultrasound; probes and knobs <i>K.Å. Salvesen (Sweden)</i>
09:00	Assessing normal early pregnancy: expected findings at different gestations, measuring size and dating <i>E. Kirk (United Kingdom)</i>
09:25	Discussion
09:30	Safely diagnosing pregnancy failure and ectopic pregnancy <i>E. Kirk (United Kingdom)</i>
09:55	Discussion
10:00	Coffee
10:20	Examination of the uterus and ovaries <i>L. Valentin (Sweden)</i>
10:50	Discussion
10:55	The cervix <i>K.Å. Salvesen (Sweden)</i>
11:10	Discussion
11:15	The second trimester scan: malformations <i>G. Pili (Italy)</i>
11:45	Discussion
11:50	The first trimester scan: normal anatomy and common malformations, showing nuchal translucency <i>K. Kagan (Germany)</i>
12:25	Discussion
12:50 - 14:25	Lunch and e-poster viewing
13:30	Examining twins: first, second and third trimester <i>K. Hecher (Germany)</i>
13:55	Discussion
14:00	Image recording and quality assessment <i>K. Kagan (Germany)</i>
14:15	Discussion
14:20	Fetal biometry, placenta and amniotic fluid <i>C. Lees (United Kingdom)</i>
14:45	Discussion
14:50 - 15:10	Coffee and e-poster viewing
15:10	What is Doppler and how do we use it? <i>S. Eik-Nes (Norway)</i>
15:25	Monitoring fetal growth <i>C. Lees (United Kingdom)</i>
15:45	Discussion
15:50	Patient consent and communication <i>A. Smith (United Kingdom)</i>
16:05	Discussion
16:10	Evaluation
16:15	Close

Keynote speaker biographies



Professor Roberto Romero

Professor Roberto Romero M.D., D.Med.Sci. is Chief of the Perinatology Research Branch and Head of the Program for Perinatal Research and Obstetrics at the Division of Intramural Research of NICHD/NIH. Professor Romero is a recipient of the Ian Donald Gold Medal from ISUOG (Stockholm, Sweden) and has made seminal contributions in ultrasound in obstetrics and gynecology. He is an Editor of *Ultrasound in Obstetrics & Gynecology* and has published more than 950 peer-reviewed publications. During the ISUOG keynote lecture, Professor Romero will focus on novel developments in ultrasound and magnetic resonance imaging in obstetrics, with particular emphasis on the role of computational methods to improve prenatal diagnosis of congenital heart disease and the assessment of fetal lung maturity. The presentation will also cover the use of functional MRI in assessing brain connectivity.



Professor Frederic Amant

Professor Frédéric Amant, MD, PhD is Professor in the Department of Oncology at the University of Leuven, Belgium and a specialist in Gynecologic Oncology in UZ Gasthuisberg, Leuven. As the principle investigator of an international study on cancer in pregnancy and a key member of multiple European specialist groups, including EORTC and ENITEC, Professor Amant has been described by *The Lancet* as 'leading the agenda on cancer in pregnancy'. He also chairs the International Network on Cancer, Infertility and Pregnancy (INCIP). Recent publications include a series on malignancy in pregnancy published in the *Lancet Oncology* and *Journal of Clinical Oncology*, which presented new evidence on the treatment of cancer during pregnancy. During the ISUOG keynote lecture Professor Amant will give an overview of cancer treatment modalities during pregnancy. Radiotherapy and chemotherapy are possible under certain conditions without jeopardizing fetal chances. He will show that children suffer more from prematurity than from antenatal exposure to chemotherapy. In addition, the need for a multidisciplinary approach and high risk obstetrical unit will be emphasised.



Dr Mats Brännström

Dr Mats Brännström is Chair of the Obstetrics and Gynecology Department at the University of Gothenburg in Sweden. He is clinically active as a gynaecology surgeon, but his research has always been reproductive physiology and clinical advancement of female health. In January of this year Dr Brännström and his team in Gothenburg made international headlines as preliminary results were released of the first uterine transplant trial, including nine women that were transplanted with uteri from live donors. A majority of the donors were mothers. At the time Dr Brännström commented that 'this is a new kind of surgery, we have no textbooks to look at'. It has now passed well over a year after the last transplantation and at this stage embryo transfers have started in seven women to achieve pregnancies. Together with a previous single uterus transplantation case (from deceased donor) in Turkey, these seven Swedish women make up the total cohort of eight women with viable uterine grafts. During the ISUOG keynote lecture Dr Brännström will present details on the surgical technique of live-donor uterus transplantation and the clinical results so far of this first uterus transplantation trial.

Program - Sunday 14 September 2014

09:00 - 10:20	ISUOG keynote lectures I	Auditorium
	Chairs: Y. Ville (France); E. Gratacós (Spain)	
09:00	Welcome and introduction <i>Y. Ville (France)</i>	
09:05	How new technologies will shape the future of ultrasound: the next 10 years <i>R. Romero (United States)</i>	
09:30	Gynecological cancers in pregnancy <i>F. Amant (Belgium)</i>	
09:55	Uterine transplantation <i>M. Brännström (Sweden)</i>	
10:20 - 10:50	Coffee	Auditorium foyer
10:50 - 12:50	Plenary: Ian Donald Medal, top abstracts, ISUOG AGM	Auditorium
	Chairs: A. Papageorghiou (United Kingdom); J.M. Alcázar (Spain)	
10:50	Presentation of the Ian Donald Gold Medal 2014 to C. Rodeck <i>S. Campbell (United Kingdom)</i>	
11:00	Ian Donald Gold Medal acceptance <i>C. Rodeck (United Kingdom)</i>	
11:10	Stuart Campbell lecture: hypertensive disorders in pregnancy: improving perinatal outcomes <i>L. Poon (United Kingdom)</i>	
11:25	Discussion	
11:30	[†] High resistance uterine artery indices in the first trimester predispose to increased trophoblast apoptosis, altered oxygen signalling and antioxidant defenses <i>K. Leslie¹; R. Dechend²; G.S. Whitley¹; J.E. Cartwright¹; B. Thilaganathan¹ (United Kingdom); ²(Germany)</i>	OC01.01
11:35	Discussion	
11:38	Fetal brain imaging following laser surgery in twin-twin surgery <i>M. Essaoui; G. Virginie; V. Stagnati; S. Hourrier; N. Bahi-Buisson; P. Sonigo; A. Millischer; L.J. Salomon; Y. Ville (France)</i>	OC01.02
11:43	Discussion	
11:46	Ambulatory versus hospitalised management of patients with threatened preterm labour and a cervical length >25mm: a randomised clinical trial <i>R. Latorre; B. Walker Labarca; R. Gomez; F. Pais; F. Avila; A. Valenzuela; M. Yamamoto; J. Carrillo; A. Insunza (Chile)</i>	OC01.03
11:51	Discussion	
11:54	[†] Differences in term brain cortical development and metabolism assessed by magnetic resonance in fetuses with major congenital heart defects <i>N. Masoller; M. Sanz-Cortés; F. Crispí; O. Gómez; M. Bennasar; G. Egaña-Ugrinovic; N. Bargallo; J.M. Martínez; E. Gratacós (Spain)</i>	OC01.04
11:59	Discussion	
12:02	[†] A new algorithm to predict ovarian age combining clinical, biochemical and 3D-ultrasonographic parameters <i>D. Lico; R. Venturella; A. Sarica; M. Falbo; E. Gulletta; M. Cannataro; F. Zullo (Italy)</i>	OC01.05
12:07	Discussion	

[†] This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

Program - Sunday 14 September 2014

12:10 ISUOG AGM

Attend the ISUOG AGM

All ISUOG members (including all delegates) are warmly invited to join us for an update on ISUOG activities and to vote on ISUOG business at the Annual General Meeting (AGM) in Barcelona.

AGM
Sunday
12:10

Sunday 14 September 2014

12.10 - 12.50

Auditorium, CCIB

The agenda and accompanying documents are available at isuog.org/membership/AGM

12:50 - 14:25 Lunch and e-poster viewing **Banquet hall**

13:10 - 14:10 Industry sponsored satellite symposium** **Room 116 + 117**

14:25 - 15:45 **Workshop: Using 3D for assessing complex structures Room 116 + 117**

Chairs: R. Chaoui (Germany); L. Platt (United States)

14:25 LIVE SCAN: assessing the bony structures [industry supported*]

L. Platt (United States)

14:45 Is 3D really needed in the assessment of posterior fossa?

D. Paladini (Italy)

15:05 3D assessment of optic chiasm

J. Bault (France)

15:25 Cardiac assessment

R. Chaoui (Germany)

14:25 - 15:45 **Workshop: Early pregnancy complications Room 114 + 115**

Chairs: T. Bourne (United Kingdom); G. Condous (Australia)

14:25 Definitely diagnosing pregnancy failure: confirming cut-off values, time between scans and appearance of structures

T. Bourne (United Kingdom)

14:45 Practical application of prediction models to manage Pregnancy of Unknown Location (PUL)

S. Bobdiwala (United Kingdom)

15:05 What should I give in practice to women with recurrent miscarriage: aspirin, heparin, progesterone, steroids? Or offer nothing? Should I give progesterone routinely to all women with bleeding in early pregnancy anyway?

S. Quenby (United Kingdom)

15:25 Selecting women for conservative management strategies for miscarriage and ectopic pregnancy

G. Condous (Australia)

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

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[†]This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

Keynote speaker biographies



Antonio Pellicer

Professor Antonio Pellicer is Full Professor of the Department of Obstetrics and Gynaecology at the University of Valencia and Director of the Department of Women's Health at Hospital Universitario La Fe. He was Dean of the University's School of Medicine (2006-2012) and has won many awards for his significant contribution to the field of reproductive health, including six times winner of the American Society for Reproductive Medicine between 1987 and 2005. In 1990 Professor Pellicer founded the Instituto Valenciano de Infertilidad (IVI), a world leading institution in the field of assisted reproduction, combining cutting-edge research, teaching and social action to improve treatments available to women. He is currently Co-Editor-in-Chief of *Fertility & Sterility*, the Official Journal of the American Society for Reproductive Medicine. During the ISUOG Keynote lecture Professor Pellicer will update the audience about the relevance of the endometrium in the implantation process in humans as well as the current molecular tools to improve implantation in assisted reproduction.



Romain Quidant

Professor Romain Quidant carries out his research at ICFO, The Institute of Photonic Sciences, in Barcelona where he leads the group of "Plasmon nanooptics". His research focuses on the study of the optical properties of metal nano-structures, known as surface plasmons. The activities of his group cover both fundamental and applied research. The fundamental part of his work is mainly directed towards enhanced light/matter interaction for quantum optics. From a more applied viewpoint, his group investigates new strategies to control light and heat at the nanometre scale for biomedical applications, including early detection and photothermal therapy of cancer. His research trajectory has been acknowledged by several national and international prizes among which the Fresnel prize from the European Physics Society (2009), the prizes of the City of Barcelona (2010) and the Fundació Príncep de Girona (2010) as well as the 2012 ICO prize from the International Commission for Optics.



Kypros Nicolaidis

Professor Kypros Nicolaidis is Director of the Harris Birthright Research Centre for Fetal Medicine based at Kings College Hospital London and Founding Director of The Fetal Medicine Foundation. Professor Nicolaidis trained at Kings College under the mentorship of Professors Stuart Campbell and Charles Rodeck where he specialised in fetoscopic techniques and procedures. He was awarded the ISUOG Ian Donald Gold Medal in 1999 for his outstanding contribution to the field, recognised in particular for his many publications on fetal physiology and pioneering more effective antenatal screening and fetoscopy techniques. His research publications on imaging and prenatal diagnosis have transformed ultrasound practice and his work to implement quality control for nuchal translucency has led to this technique becoming an established screening test for Down syndrome and other genetic conditions.

Program - Sunday 14 September 2014

14:25 - 15:45 Workshop: Intrapartum ultrasound Room 112

Chairs: *K. Kalache (Germany); F. Molina (Spain)*

- 14:25 Introduction
 14:30 Ultrasound in the first stage of labour: benefits for the mother
T. Eggebo (Norway)
 14:50 Discussion
 14:55 Evidence of the indications and contribution to improved management
F. Molina (Spain)
 15:15 Discussion
 15:20 Video demonstration: techniques for assessing fetal head position and station at full dilatation
K. Kalache (Germany)
 15:40 Discussion

15:45 - 16:20 Coffee and e-poster viewing Banquet hall

16:20 - 17:40 ISUOG keynote lectures II Auditorium

Chairs: *A. Ngu (Australia); R. Romero (United States)*

- 16:20 Technical advances in sub-fertility
A. Pellicer (Spain)
 16:45 Bioplasmonics: designing novel nanotools for medicine
R. Quidant (Spain)
 17:10 Screening for aneuploidies by cf DNA testing
K. Nicolaidis (United Kingdom)

17:40 - 18:10 Opening ceremony Auditorium

Chairs: *E. Gratacós (Spain); A. Ngu (Australia)*

18:15 - 19:45 Welcome reception Banquet hall

Ian Donald Gold Medal 2014 - Charles Rodeck

ISUOG welcomes Professor Charles Rodeck to Barcelona to receive its most prestigious award, the Ian Donald Gold Medal, in recognition of his outstanding contribution to the field of ultrasound in obstetrics and gynecology.



Professor Rodeck's contributions are primarily in prenatal diagnosis and the treatment of genetic and congenital disorders and include over 600 publications in peer-reviewed journals; pioneering invasive diagnostic and therapeutic procedures; and a revered contribution to teaching: Professor Rodeck has trained five of the current UK Professors in Fetal Medicine.

He published the first description of clinical fetal intravascular transfusion, devising safe and reliable techniques for this and other fetal anomalies including the famous 'Rodeck' shunt for treating pleural effusions and urinary tract obstruction. This work helped to establish Fetal Medicine as a sub speciality within obstetrics and gynecology.

More recently, while at University College London (1990 - 2007) he initiated major research advances in fetal physiology, perinatal brain injury, pre-implantation genetic diagnosis and gene and stem cell therapy for fetal growth restriction. Now retired, he remains Emeritus Professor of Obstetrics and Gynecology at UCL and is active in numerous professional societies.

Program - Monday 15 September 2014

MC 07:30 - 08:10
Masterclass sessions

Parallel sessions 08:15 - 09:35
 Screening and prognosis of major CHD *Room 116 + 117*
 Characterising ovarian pathology *Room 112*
 First trimester screening of aneuploidies and pregnancy complications *Room 114 + 115*
 The use of simulation models in ultrasound in obstetrics and gynecology *Room 113*

Short oral presentations 09:40 - 10:20
 Identification and prognosis of fetal cardiac disease *Room 116 + 117*
 Preterm labour *Room 112*
 First trimester screening of aneuploidies and pregnancy complications *Room 114 + 115*
 Characterising ovarian pathology *Room 120 + 121*

Parallel sessions 10:45 - 12:05
 CHD: risk factors, predictors and associated diseases *Room 116 + 117*
 Ultrasound in oncology *Room 112*
 Ultrasound in preterm and term labour *Room 114 + 115*

Short oral presentations 12:10 - 12:50
 CHD: early diagnosis and new imaging methods *Room 116 + 117*
 The first trimester scan *Room 112*
 Ultrasound in labour at term *Room 114 + 115*
 Assessment of fetal wellbeing *Room 113*
 Ultrasound in oncology *Room 120 + 121*

Sponsor 13:10 - 14:10
Industry sponsored satellite symposium *Room 116 + 117*

MTP 13:15 - 14:00
Meet the Professor roundtable sessions *Room 124 + 125*

Parallel sessions 14:15 - 15:35
 Fetal cardiac function *Room 116 + 117*
 Urogynecology *Room 112*
 Pre-eclampsia and IUGR: screening and effects *Room 114 + 115*

Short oral presentations 15:40 - 16:20
 Fetal cardiac function to assess fetal conditions *Room 116 + 117*
 Multiple pregnancy I *Room 120 + 121*
 Placental function and pre-eclampsia *Room 114 + 115*
 Advanced CNS assessment in normal and abnormal conditions *Room 113*
 Urogynecology *Room 112*

Workshops 16:45 - 18:05
 Urogynecology *Room 116 + 117*
 Cardiac borderline findings *Room 112*
 Late onset placental disease *Room 114 + 115*
 IOTA *Room 113*

ISUOG Education 2015



Intensive courses - Register now

Fetal anomalies: head and heart


Chairs: *J. Carvalho (UK); G. Malinge (Israel)*
23 - 24 January, London, UK

Advanced obstetric Doppler

Chairs: *C.M. Bilardo (Netherlands); C. Lees (UK)*
24 April, London, UK

Other topics requested for 2015:

- Urogynecology
- Ultrasound in labour
- Endometriosis
- 3D/4D in gynecology
- Placental pathology and anomalies
- Genetic screening
- Early pregnancy

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Program - Monday 15 September 2014

07:30 - 08:10 Masterclass sessions

Studying the embryonic and early brain in 2D and 3D <i>R. Chaoui (Germany)</i>	Room 114 + 115
How to assess the pelvic floor <i>H.P. Dietz (Australia)</i>	Room 113
Pre-eclampsia <i>K. Nicolaides (United Kingdom)</i>	Room 116 + 117
Cervical length, progesterone, cerclage and pessary for the prevention of preterm birth <i>R. Romero (United States)</i>	Room 112

08:15 - 09:35 Screening and prognosis of major CHD Room 116 + 117

Chairs: A. Abuhamad (United States); A. Galindo (Spain)	
08:15	LIVE SCAN: systematic assessment of the heart using ISUOG guidelines [industry supported*] <i>J.S. Carvalho (United Kingdom)</i>
08:35	First trimester 2D cardiac assessment for congenital heart diseases <i>S. Tudorache; D.G. Iliescu; M. Cara; F. Burada; M. Ioana; C. Simionescu; L. Novac; N. Cernea; D. Cernea (Romania)</i>
08:40	Discussion
08:43	Conotruncal anomalies: how effective is first trimester diagnosis? <i>M. Wiechec; A. Nocun; D. Stettner; A. Knafel (Poland)</i>
08:48	Discussion
08:51	Systematic examination of the fetal precordial veins: a large cohort study <i>S. Yagel; S. Cohen; D.V. Valsky; O. Shen; M. Lipschuetz; B. Messing (Israel)</i>
08:56	Discussion
08:59	Azygos vein/descending aorta ratio in normal fetuses and fetuses with interrupted inferior vena cava <i>H. Xie; L. Wu (China)</i>
09:04	Discussion
09:07	Antenatal prediction of neonatal death in single ventricle congenital heart disease <i>S.M. Lee; J.E. Kwon; S.H. Song; G.B. Kim; J.Y. Park; B.J. Kim; J.H. Lee; C.W. Park; J.S. Park; J.K. Jun (Republic of Korea)</i>
09:12	Discussion
09:15	The effective fetal screening using the distance between the descending aorta and left atrial posterior wall in four chamber view for Total Anomalous Pulmonary Venous Return <i>M. Kawataki (Japan)</i>
09:20	Discussion
09:23	Take-home clinical messages <i>A. Abuhamad (United States)</i>

08:15 - 09:35 Characterising ovarian pathology Room 112

Chairs: D. Timmerman (Belgium); B. Benacerraf (United States)	
08:15	What is the best currently available test to classify ovarian masses? A systematic review and meta-analysis of the evidence <i>J. Kaijser (Belgium)</i>

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Program - Monday 15 September 2014

08:35	MRI and ultrasound fusion imaging for ovarian tumor <i>J. Levailant; P. Capmas; C. Théodore; N. Chabi; H. Fernandez; C. Touboul (France)</i>	OC03.01
08:40	Discussion	
08:43	^{YI} Does HE4 improve the diagnosis of pelvic masses in non-experienced examiners? <i>B. Erdodi; Z. Krasznai; L. Ördög; E. Maka; H. Balla; Z. Tóth; A. Jakab (Hungary)</i>	OC03.02
08:48	Discussion	
08:51	IOTA simple rules for classifying adnexal masses: a comparative study between two centers with different ovarian cancer prevalence and experience on gynecological ultrasound <i>B. Ruiz de Gauna; J.M. Alcázar; D. Rodriguez; M. Aubá; B. Olartecoechea; M. Gómez Roig; T. Errasti; M. Jurado (Spain)</i>	OC03.03
08:56	Discussion	
08:59	Role of HE4, CA125, ROMA and ultrasound findings for adnexal mass differential diagnosis <i>C. Ros; M. Martínez-Serrano; M. Rius; R. Molina; P. Fuste (Spain)</i>	OC03.04
09:04	Discussion	
09:07	Contribution of 3D power Doppler angiography (3D-PDA) technique in the differential diagnosis of adnexal masses <i>J.M. Alcázar¹; J. Utrilla-Layna¹; S. Guerriero²; B. Olartecoechea¹; T. Errasti¹; J. Minguez¹; M. Jurado¹ (Spain); ²(Italy)</i>	OC03.05
09:12	Discussion	
09:15	An evaluation of the role of preoperative transvaginal ultrasound as a triage tool for the management of adnexal masses <i>U. Menakaya¹; P. Shetty¹; S. Reid¹; C. Lu²; F. Infante¹; G. Condous¹ (Australia); ²(United Kingdom)</i>	OC03.06
09:20	Discussion	
09:23	Ultrasound diagnosis of serous surface papillary borderline ovarian tumor: a case series <i>M. Ludovisi^{1,2}; X. Foo¹; S. Mainenti^{1,2}; A.C. Testa²; R. Arora¹; D. Jurkovic¹ (United Kingdom); ²(Italy)</i>	OC03.07
09:28	Discussion	

08:15 - 09:35 First trimester screening of aneuploidies and pregnancy complications **Room 114 + 115**

	Chairs: C.M. Bilardo (Netherlands); N. Maiz (Spain)	
08:15	Screening for fetal anomalies in the first trimester <i>J. Hyett (Australia)</i>	
08:35	^{YI} Newborn with Down's syndrome: first trimester screening or not? <i>C.B. Miltoft; C.B. Wulff; S. Kjærgaard; C.K. Ekelund; A. Tabor (Denmark)</i>	OC04.01
08:40	Discussion	
08:43	A novel counting algorithm to detect common fetal trisomies in non-invasive prenatal testing by maximal parallel sequencing and cross-platform validation results <i>M. Chen (Taiwan)</i>	OC04.02
08:48	Discussion	

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

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08:51	Screening for pre-eclampsia in the first trimester based on maternal characteristics, biophysical parameters and angiogenic factors <i>F. Crovetto^{1,2}; F. Figueras¹; S. Triunfo^{1,2}; F. Crispi¹; V. Rodriguez-Sureda¹; C. Dominguez¹; E. Llurba¹; E. Gratacós¹ (Spain); ²(Italy)</i>	OC04.03
08:56	Discussion	
08:59	Screen-positive for Trisomy 21 at combined first trimester screening: how many do not have a prenatal karyotype? <i>O. Petersen¹; I. Vogel¹; J. Hyett²; C.K. Ekelund¹; A. Tabor¹ (Denmark); ²(Australia)</i>	OC04.04
09:04	Discussion	
09:07	Increased fetal nuchal translucency is associated with submicroscopic chromosomal abnormalities by chromosomal microarray <i>I. Lund; E. Vestergaard; R. Christensen; I. Vogel; O. Petersen (Denmark)</i>	OC04.05
09:12	Discussion	
09:15	Early evaluation of embryonic anatomy: factors influencing ultrasonographic visualisation between 8 and 10+6 weeks' gestation <i>C. Votino; M. Guizani; M. Condorelli; R. Votino; D. Gayraud; T. Cos (Belgium)</i>	OC04.06
09:20	Discussion	
09:23	Fetal cardiac axis and congenital heart defects in early gestation: multicentre case-control study <i>E. Sinkovskaya¹; R. Chaoui²; K. Kar^{2,2}; E. Andreeva³; L. Zhuchenko³; A. Abuhamad¹ (United States); ²(Germany); ³(Russian Federation)</i>	OC04.07
09:28	Discussion	

08:15 - 09:35 The use of simulation models in ultrasound in obstetrics and gynecology **Room 113**

	Chairs: Y. Ville (France); A. Tabor (Denmark)	
08:15	Simulation training in ultrasound <i>A. Tabor (Denmark); M.G. Tolsgaard (Denmark)</i>	OC14.03
08:35	UK-wide survey on the role of simulation in obstetrics and gynecological ultrasound training <i>N.D. Deo; N. Woodhead; A. Gale; G. Masson (United Kingdom)</i>	OC11.01
08:40	Discussion	
08:43	Gynecological ultrasound simulator: a new method for trainees' evaluation <i>G.E. Chalouhi; V. Bernardi; S. Benedetti; S. Brun; T. Bultez; M. Dommergues; Y. Ville (France)</i>	OC11.02
08:48	Simulation in first-trimester screening ultrasound: a new way of accreditation <i>G.E. Chalouhi; V. Bernardi; N.J. Hajal; L.J. Salomon; Y. Ville (France)</i>	OC11.03
08:53	Obstetrical ultrasound simulator: a new method for evaluating trainees <i>G.E. Chalouhi^{1,1}; V. Bernardi^{1,2}; I. Houssin^{1,1}; J. Stimemann^{1,1}; Y. Ville^{1,1} (France); ²(Italy)</i>	OC11.04
08:58	Discussion	
09:03	Ultrasonographic simulation system for training of screening examination of the fetal heart <i>S. Jantarasaengaram; P. Kanongchaiyos; C. Prateepmanovong; S. Lertwiram (Thailand)</i>	OC11.05
09:08	Discussion	

Program - Monday 15 September 2014

09:11	Validation of video recording scoring system in assessing trainee competency in transvaginal ultrasound skills <i>A.M. Alsalamah; D. Albalushi; K. Hood; N.D. Pugh; N.N. Amso (United Kingdom)</i>	OC11.06
09:16	Discussion	
09:19	What do end-users think about simulation in obstetrical and gynecological ultrasound? <i>N.J. Hajal; G.E. Chalouhi; V. Bernardi; L.J. Salomon; Y. Ville (France)</i>	OC11.07
09:24	Discussion	

09:40 - 10:20 Short oral presentation (OP) sessions

OP01: Identification and prognosis of fetal cardiac disease	Room 116 + 117
<i>Chairs: G. DeVore (United States); Z. Tian (United States)</i>	
OP02: Preterm labour	Room 112
<i>Chairs: R. Romero (United States); E. Carreras (Spain)</i>	
OP03: First trimester screening of aneuploidies and pregnancy complications	Room 114 + 115
<i>Chairs: L. Poon (United Kingdom); E. Antolin (Spain)</i>	
OP04: Characterising ovarian pathology	Room 120 + 121
<i>Chairs: L. Platt (United States); M. Pascual (Spain)</i>	

10:15 - 10:45 Coffee and e-poster viewing **Banquet hall**

10:45 - 12:05 CHD: risk factors, predictors and associated diseases **Room 116 + 117**

	Chairs: T.K. Lau (Hong Kong); E. Hernandez-Andrade (United States)	
10:45	LIVE SCAN: first trimester echocardiography [industry supported*] <i>R. Chaoui (Germany)</i>	
11:05	Can hydroxychloroquine (HCQ) reduce the risk of recurrent fetal heart block? <i>J.A. Copel¹; P. Izminly¹; N. Costedoat-Chalumeau²; A. Saxena¹; A. Zinc¹; T. Middleton¹; D. Friedman¹; J.P. Buyon¹</i> ¹ (United States); ² (France)	OC05.01
11:10	Discussion	
11:13	Increased nuchal translucency origins from abnormal lymphatic development and develops regardless of the presence of a congenital heart defect <i>N. Burger¹; M. Bekker¹; C.J. De Groot¹; J.F. Martin²; W. Shou²; P. Scambler³; Y. Lee²; E. Cho²; V.M. Christoffels¹; M.C. Haak¹</i> ¹ (Netherlands); ² (United States); ³ (United Kingdom)	OC05.02
11:18	Discussion	
11:21	Maternal and fetal angiogenic imbalance in euploid and Down's syndrome congenital heart defects <i>E. Llurba; A. Ruiz; Q. Ferrer; O. Sánchez; L. Cabero; E. Carreras (Spain)</i>	OC05.03
11:26	Discussion	
11:29	Maternal hyperoxygenation improves left heart filling in the fetus with atrial septal aneurysm causing impediment to left ventricular inflow <i>J. Rychik; A. Channing; Z. Tian (United States)</i>	OC05.04
11:34	Discussion	

Program - Monday 15 September 2014

11:37	Absent ductus venosus: prognosis in the era of first trimester screening for chromosomal abnormalities <i>Q. Ferrer; P. Prats; S. Arevalo; E. Carreras; E. Llurba (Spain)</i>	OC05.05
11:42	Discussion	
11:45	In 2014, does the fetus from assisted reproductive technology (ART) require a targeted fetal echocardiogram (FECHO) after a complete fetal anatomy ultrasound examination (scan) shows findings of a normal heart? <i>D.C. Wood; S. Weiner; S. Shah; R.M. Kline; B. Wood (United States)</i>	OC05.06
11:50	Discussion	
11:53	Perinatal outcome of fetuses with absence of ductus venosus (ADV) <i>I. Vives; M. Bennasar; O. Gómez; F. Crispí; N. Masoller; E. Marimon; E. Gratacós; J. Martínez (Spain)</i>	OC05.07
11:58	Discussion	

10:45 - 12:05 Ultrasound in oncology **Room 112**

	Chairs: D. Fischerová (Czech Republic); S. Martínez (Spain)	
10:45	Non-gynecological tumors mimicking primary ovarian cancer <i>D. Fischerová (Czech Republic)</i>	
11:05	Agreement between preoperative transvaginal ultrasound and intraoperative frozen section for estimating myometrial invasion in low-risk endometrial cancer <i>J.M. Alcázar¹; L. Pineda¹; C. Vilhena²; L. Juez¹; J. Utrilla-Layna¹; J. Minguez¹; M. Jurado¹</i> ¹ (Spain); ² (Portugal)	OC06.01
11:10	Discussion	
11:13	Subjective ultrasound assessment and ultrasound-guided tru-cut biopsy to differentiate primary ovarian cancer from metastatic non-ovarian cancer <i>E. Epstein; S. Nikman (Sweden)</i>	OC06.02
11:18	Discussion	
11:21	Diagnostic accuracy of preoperative TVUS in endometrial cancer and comparison to frozen section in terms of myometrial and cervical invasion <i>D. Franchi; A. Vidal Urbinati; R. Portuesi; S. Boveri; C. Di Tonno; G. Aletti; S. Mario (Italy)</i>	OC06.03
11:26	Discussion	
11:29	^{Y1} Agreement of 2D and 3D ultrasound and magnetic resonance imaging in the assessment of rectosigmoid infiltration in primary or recurrent ovarian cancer <i>V. Chiappa¹; M. Zikan²; R. Kocian²; F. Frühauf²; A. Dueckelmann³; P. Dunder²; D. Cibula²; D. Fischerová²</i> ¹ (Italy); ² (Czech Republic); ³ (Germany)	OC06.04
11:34	Discussion	
11:37	Conservative management and ultrasonographic longitudinal follow-up of borderline ovarian tumor recurrences after fertility sparing surgery <i>D. Franchi; A.C. Testa; S. Boveri; R. Davide; S. Mario; N. Colombo (Italy)</i>	OC06.05
11:42	Discussion	
11:45	The ultrasound-measured tumor-free distance (uTDF) is a valuable predictor of lymph node status in endometrial cancer <i>M. Liro; M. Sniadecki; E. Wycinka; S. Wojtylak; A. Bianek; S. Sawicki; D. Wydra (Poland)</i>	OC06.06
11:50	Discussion	

^{Y1} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

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11:53	MRI and ultrasound fusion imaging for cervix cancer <i>J. Levailant; P. Capmas; C. Théodore; N. Chabi; H. Fernandez; C. Touboul (France)</i>	OC06.07
11:58	Discussion	

10:45 - 12:05 Ultrasound in preterm and term labour Room 114 + 115

	Chairs: G. Pilu (Italy); T. Eggebø (Norway)	
10:45	Demonstrating the use of ultrasound in the management of labour <i>T. Eggebø (Norway)</i>	
11:05	Comparison of six methods of first trimester cervical measurements: reproducibility and predictive value for preterm delivery <i>M. Joubert; B. Deloison; Y. Ville; L.J. Salomon (France)</i>	OC07.01
11:10	Discussion	
11:13	Clinical significance of the presence of amniotic fluid 'sludge' in asymptomatic patients at low and high risk for spontaneous preterm delivery <i>A.R. Hatanaka; R. Mattar; T. Kawanami; M.S. França; L.C. Rolo; R.M. Nomura; E. Araujo Junior; L. Nardoza; A.F. Moron (Brazil)</i>	OC07.02
11:18	Discussion	
11:21	Short cervical length and low levels of circulating T-regulatory lymphocytes are associated with preterm labor <i>M. Koucký; K. Malíčková; P. Calda (Czech Republic)</i>	OC07.03
11:26	Discussion	
11:29	Adjusted cervical length for gestational age as predictor of urgent delivery in pregnancies complicated by placenta previa <i>M. Garcia-Espinosa; E. Cisneros-Bedoy; S. Rosales-Ortiz; O. Martinez-Rodriguez; S. Lopez-Jimenez; O. Moreno-Alvarez (Mexico)</i>	OC07.04
11:34	Discussion	
11:37	Comparison of pain score between translabial ultrasound and digital vaginal examination during active labour <i>Y. Chan; W. Lau; T. Lo; W. Leung (Hong Kong)</i>	OC07.05
11:42	Discussion	
11:45	The subpic angle measured by a novel 3D ultrasound technique and the mode of delivery in low-risk nulliparous women <i>A. Youssef; F. Martelli; E. Montaguti; G. Salsi; G. Pilu; N. Rizzo; T. Ghi (Italy)</i>	OC07.06
11:50	Discussion	
11:53	Take-home clinical messages <i>G. Pilu (Italy)</i>	

12:10 - 12:50 Short oral presentation (OP) sessions

OP05: CHD: early diagnosis and new imaging methods	Room 116 + 117
<i>Chairs: R. Chaoui (Germany); C. Comas (Spain)</i>	
OP:06 The first trimester scan	Room 112
<i>Chairs: C.M. Bilardo (Netherlands); F. Audibert (Canada)</i>	
OP07: Ultrasound in labour at term	Room 114 + 115
<i>Chairs: K. Kalache (Germany); G.E. Chalouhi (France)</i>	
OP08: Assessment of fetal wellbeing	Room 113
<i>Chairs: A. Bhide (United Kingdom); R. Schild (Germany)</i>	
OP09: Ultrasound in oncology	Room 120 + 121
<i>Chairs: D. Fischerová (Czech Republic); J.M. Alcázar (Spain)</i>	

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12:45 - 14:15	Lunch and e-poster viewing	Banquet hall
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13:00 - 14:00	Industry sponsored satellite symposium**	Room 116 + 117
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13:15 - 14:00	Meet the Professor roundtable sessions	Room 124 + 125
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<i>B. Benacerraf (United States)</i>	<i>K. Maršál (Sweden)</i>
<i>C. Brezinka (Austria)</i>	<i>G. Pilu (Italy)</i>
<i>G. Condous (Australia)</i>	<i>W. Sepulveda (Chile)</i>
<i>E. Epstein (Sweden)</i>	<i>I.E. Timor-Tritsch (United States)</i>
<i>S. Goldstein (United States)</i>	

14:15 - 15:35	Fetal cardiac function	Room 116 + 117
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	Chairs: J. Copel (United States); H. Gardiner (United States)	
14:15	LIVE SCAN: myocardial imaging for assessing the fetal heart [industry supported*] <i>F. Crispi (Spain)</i>	
14:35	Prospective evaluation of cardiac functional parameters in healthy fetuses using Speckle Tracking Echocardiography at 12-37 weeks' gestation <i>S. Bonalumi; M. Bellotti; L. Adamo; G.C. Tiso; S. Della Grazia; G.C. Rognoni; A. Marconi (Italy)</i>	OC08.01
14:40	Discussion	
14:43	Automation of the fetal myocardial performance index <i>J. Wang; S. Redmond; A. Henry; A.W. Welsh (Australia)</i>	OC08.02
14:48	Discussion	
14:51	Differential effects of assisted reproductive technologies and intrauterine growth restriction on fetal cardiac remodelling <i>B. Valenzuela-Alcaraz; M. Cruz-Lemini; B. Bijens; F. Figueras; J. Balasch; F. Crispi; E. Gratacós (Spain)</i>	OC08.03
14:56	Discussion	
14:59	Fetal cardiac function in late IUGR versus SGA defined by estimated fetal weight, cerebro-placental ratio and uterine artery Doppler <i>M. Pérez Cruz; F. Crispi; M. Fernández; J. Parra; M. Gómez Roig; E. Gratacós (Spain)</i>	OC08.04
15:04	Discussion	
15:07	Cardiac function in early childhood in relation to angiogenic factors in cord blood in fetal growth restriction <i>E. Llurba; Q. Ferrer; J. Candel; A. Ruiz; M. Gómez Roig; E. Carreras (Spain)</i>	OC08.05
15:12	Discussion	
15:15	Evaluation of cardiac function assessed by colour-coded tissue Doppler (C-TDI) in fetuses with left ventricular outflow tract (LVOT) obstruction <i>C. Enzensberger; L. Wieg; J. Degenhardt; O. Graupner; A. Tenzer; M. Jansen; *Fetal Cardiac Imaging Research Group; R. Axt-Fliedner (Germany)</i>	OC08.06
15:20	Discussion	
15:23	Clinical messages <i>J. Copel (United States)</i>	

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14:15 - 15:35 Urogynecology Room 112

Chairs: H.P. Dietz (Australia); P. Barri-Soldevila (Spain)

14:15	The perils of vaginal delivery <i>J. Deprest (Belgium)</i>	
14:35	Follow-up of sacrocolpopexy mesh implants <i>V.H. Eisenberg (Israel)</i>	OC09.01 & OC09.02
14:40	Discussion	
14:43	What is 'significant descent' of the uterus on pelvic floor ultrasound? <i>C. Shek; H.P. Dietz (Australia)</i>	OC09.03
14:48	Discussion	
14:51	Determination of levator ani muscle lesions in instrumental delivery with vacuum using transperineal 3D-4D ultrasonography <i>J. García Mejido; L. Gutierrez Palomino; V. Caballero Fernandez; J. Sainz Bueno (Spain)</i>	OC09.04
14:56	Discussion	
14:59	Intrapartum predictors of pelvic floor trauma <i>J. Caudwell-Hall; I. Kamisan Atan; A. Martin; R.A. Guzman Rojas; S.E. Langer; C. Shek; H.P. Dietz (Australia)</i>	OC09.05
15:04	Discussion	
15:07	A novel 3D ultrasound technique for assessing pelvic hiatal area and diagnosing levator muscle avulsion in asymptomatic women <i>A. Youssef (Italy)</i>	OC09.06, OC09.07 & OC09.08
15:12	Discussion	
15:15	The association of urinary and fecal incontinence with pelvic floor muscle contractility <i>S.H. Oversand^{1,2}; I. Kamisan Atan²; C. Shek²; H.P. Dietz²</i> ¹ (Norway); ² (Australia)	OC09.09
15:20	Discussion	
15:23	Assessment of puborectalis muscle echogenicity: effect of BMI, age, sport activity and ultrasound probe pressure <i>A. Grob (Netherlands)</i>	OC09.10 & OC09.11
15:28	Discussion	

14:15 - 15:35 Pre-eclampsia and IUGR: screening and effects Room 114 + 115

Chairs: B. Thilaganathan (United Kingdom); E. Bujold (Canada)

14:15	Prevention of pre-eclampsia <i>A. Baschat (United States)</i>	
14:35	A prospective study of screening for hypertensive disorders of pregnancy at 11 to 13 weeks <i>R.B. Skråstad^{1,1}; G. Hov¹; H.K. Blaas^{1,1}; P. Romundstad¹; K.Å. Salvesen^{1,2}</i> ¹ (Norway); ² (Sweden)	OC10.01
14:40	Discussion	
14:43	Validation of a first-trimester screening model for pre-eclampsia in a routine care low-risk setting <i>E. Scazzocchio; F. Crovetto; S. Triunfo; E. Gratacós; F. Figueras (Spain)</i>	OC10.02
14:48	Discussion	
14:51	Maternal systemic circulation in normotensive pregnancies and those complicated by pre-eclampsia <i>M. Morlando; B. Thilaganathan; E. Mantovani; E. Sheehan; A.T. Papageorgiou; A. Bhide; A. Khalil (United Kingdom)</i>	OC10.03
14:56	Discussion	

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14:59	The role of angiogenic factors for first-trimester screening of fetal growth restriction <i>F. Crovetto^{1,2}; S. Triunfo^{1,2}; F. Crispi¹; V. Rodriguez-Sureda¹; C. Dominguez¹; E. Gratacós¹; F. Figueras¹, ¹(Spain); ²(Italy)</i>	OC10.04
15:04	Discussion	
15:07	Dexamethasone on umbilical artery Doppler in intrauterine growth restricted fetuses from pregnancies complicated by pre-eclampsia <i>O. Tica; A. Comanescu; C. Berceanu; N. Cernea; A. Tica (Romania)</i>	OC10.05
15:12	Discussion	
15:15	Fetal thymus size is inversely correlated to frequency of regulatory T-cells in a prospective birth cohort: results from the PRINCE study <i>A. Diemert; M. Pagenkemper; R. Mehnert; I. Hartwig; P. Arck; K. Hecher (Germany)</i>	OC10.06
15:20	Discussion	
15:23	The association between cerebroplacental ratio, birthweight and neonatal morbidity <i>A. Khalil; J. Morales-Roselló; H. Hannan; M. Elsaddig; A.T. Papageorgiou; A. Bhide; B. Thilaganathan (United Kingdom)</i>	OC10.07
15:28	Discussion	

15:40 - 16:20 Short oral presentation (OP) sessions

OP10: Fetal cardiac function to assess fetal conditions	Room 116 + 117
<i>Chairs: H. Gardiner (United States); M. Herrera (Colombia)</i>	
OP11: Multiple pregnancy I	Room 120 + 121
<i>Chairs: K. Hecher (Germany); A. Gagnon (Canada)</i>	
OP12: Placental function and pre-eclampsia	Room 114 + 115
<i>Chairs: A. Baschat (United States); A. Bhide (United Kingdom)</i>	
OP13: Advanced CNS assessment in normal and abnormal conditions	Room 113
<i>Chair: D. Prayer (Austria); J. P. Bault (France)</i>	
OP14: Urogynecology	Room 112
<i>Chairs: P. Barri-Soldevila (Spain); A. Youssef (Italy)</i>	

16:15 - 16:45 Coffee and e-poster viewing Banquet hall

16:45 - 18:05 Workshop: Urogynecology Room 116 + 117

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

16:45	The detection and management of levator trauma <i>H.P. Dietz (Australia)</i>
17:05	MRI to assess mesh for prolapse repair <i>J. Deprest (Belgium)</i>
17:25	Using 3D ultrasound to assess urethral mesh <i>P. Barri-Soldevila (Spain)</i>
17:45	LIVE SCAN: the pelvic floor [industry supported*] <i>H.P. Dietz (Australia)</i>

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16:45 - 18:05 Workshop: Cardiac borderline findings Room 112

Chairs: *D. Paladini (Italy); J.M. Martínez (Spain)*

16:45	Introduction <i>D. Paladini (Italy)</i>
16:50	Asymmetric ventricles <i>J.M. Martínez (Spain)</i>
17:10	Discussion
17:15	Cardiomegaly <i>D. Paladini (Italy)</i>
17:35	Discussion
17:40	Tricuspid/mitral regurgitation <i>S. Yagel (Israel)</i>
18:00	Discussion

16:45 - 18:05 Workshop: Late onset placental disease Room 114 + 115

Chairs: *A. Baschat (United States); E. Llorba (Spain)*

16:45	Introduction <i>A. Baschat (United States)</i>
16:50	Assessing fetal growth late in pregnancy <i>L. Salomon (France)</i>
17:10	Discussion
17:15	Identifying and managing late-onset IUGR: update on recent evidence <i>F. Figueras (Spain)</i>
17:35	Discussion
17:40	Third-trimester prediction and early identification <i>E. Llorba (Spain)</i>
18:00	Discussion

16:45 - 18:05 Workshop: IOTA Room 113

Chairs: *T. Bourne (United Kingdom); J. Kaijser (Belgium)*

16:45	GIRADS: a subjective approach to classifying ovarian masses <i>J.M. Alcázar (Spain)</i>
17:05	Classifying masses as benign, borderline, primary invasive and metastatic: the IOTA multiclass "ADNEX" prediction model <i>B. Van Calster (Belgium)</i>
17:25	Classifying ovarian masses using simple rules or the IOTA multiclass ADNEX model smartphone app: practical examples of how to use the app in the clinic <i>D. Timmerman (Belgium)</i>
17:45	The characteristic features of less common ovarian cysts: lessons from the "imaging in gynecology" series <i>L. Valentin (Sweden)</i>

OP - Monday 15 September 2014

OP01: Identification and prognosis of fetal cardiac disease Room 116 + 117

Chairs: *G. DeVore (United States); Z. Tian (United States)*

Head circumference growth in isolated fetal heart defects <i>F. Jansen (Netherlands)</i>	OP01.01
Diagnostic accuracy of prenatal echocardiography in congenital heart disease <i>C. van Velzen (Netherlands)</i>	OP01.02
Contribution of ductus venosus blood flow in first-trimester screening for detection of major cardiac defects <i>N. Karadzov-Orlic (Serbia)</i>	OP01.03
Clinical usefulness of SVC converging view <i>K. Kim (Republic of Korea)</i>	OP01.04
Sonographic prenatal features of postnatal outcome in coarctation of the aorta <i>A. Ruiz (Spain)</i>	OP01.05
Severe obstruction of the RVOT due to a primary teratoma originating from the interventricular septum resulting in postnatal death <i>J. Weichert (Germany)</i>	OP01.06
Detection of ventriculo-coronary fistulas and tricuspid regurgitation on prenatal ultrasound predict outcome in fetuses with pulmonary atresia with intact interventricular septum <i>B.S. Strizek (Germany)</i>	OP01.07
Presence or absence of antegrade flow of Ebstein anomaly can be estimated with peak flow velocity of tricuspid valve regurgitation <i>T. Tanaka (Japan)</i>	OP01.08
Large left ventricular aneurysms: not too bad <i>V. Gjørup (Denmark)</i>	OP01.09
Fetal echocardiography predicts postnatal treatment strategy for the fetus with pulmonary atresia or severe pulmonary stenosis <i>L. Cao (China)</i>	OP01.10

OP02: Preterm labour Room 112

Chairs: *R. Romero (United States); E. Carreras (Spain)*

Quantitative ultrasound backscatter parameters in the human cervix <i>T.J. Hall (United States)</i>	OP02.01
First-trimester maternal biochemical markers as predictors of spontaneous early preterm delivery <i>M. Parra-Cordero (Chile)</i>	OP02.02
Quantitative elastography of the uterine cervix as a predictor of preterm delivery <i>R. Schmitz (Germany)</i>	OP02.03
Cervix length in pregnancies after LEEP cone surgery could not predict preterm birth <i>J. Carrillo (Chile)</i>	OP02.04
Measurement of cervical length in pregnant patients with a vaginal pessary for the treatment of a short cervix <i>A.A. Flick (United States)</i>	OP02.05
The effect of the vaginal pessary on cervical length in pregnant with a short cervix: a prospective cohort study <i>A.A. Flick (United States)</i>	OP02.06
Transvaginal cervical length: predicts delivery latency following preterm premature rupture of membranes <i>S. Mehra (United States)</i>	OP02.07
Diagnostic value of myometrial thickness in pregnancies with threatened preterm labor <i>L. Mendilcioglu (Turkey)</i>	OP02.08
Tocolysis with extended-release nifedipine in normotensive pregnant women; fetal vascular effects <i>O. Tica (Romania)</i>	OP02.09

OP - Monday 15 September 2014

- Lower genital tract infection by HPV: correlation with HPV induced-trophoblastic dysfunction in late preterm birth
OP02.10
P. Breton Hernandez (Spain)
- Quantitative ultrasound texture analysis of fetal lungs to predict neonatal respiratory morbidity
OP02.11
E. Bonet-Carne (Spain)

OP03: First trimester screening of aneuploidies and pregnancy complications **Room 114 + 115**

- Chairs: L. Poon (United Kingdom); E. Antolin (Spain)**
- A potential role of circulating LHCGR forms for the prediction of pre-eclampsia in the first trimester of pregnancy
OP03.01
F. Crovatto (Spain)
- Initial experience of non-invasive prenatal testing with cell-free DNA: factors influencing fetal fraction
OP03.02
C. Comas (Spain)
- Implementation of non-invasive prenatal testing (NIPT) for fetal aneuploidy in a general screening population in two European centres
OP03.03
B. Bermejo (Spain)
- Estimation of aneuploidy detection rates based on nuchal translucency and non-invasive prenatal testing (NIPT): a cohort study
OP03.04
A. Khalil (United Kingdom)
- Initial experience of non-invasive prenatal testing with cell-free DNA: comparison between Panorama™ and Harmony™
OP03.05
M. Echevarria (Spain)
- The efficacy of real-time nuchal translucency quality review using exponentially weighted moving average chart
OP03.06
M. Hynek (Czech Republic)
- CRL audit using sonologist-specific PAPP-A and β-hCG median MoMs plots
OP03.07
J. Sabria (Spain)
- Usefulness of nasal bone, ductus venosus and tricuspid valve flow at intermediate risk in the screening for chromosomal abnormalities at 11–13 weeks of gestation
OP03.08
E. Gómez Montes (Spain)
- A cost-effectiveness analysis of screening for Down's syndrome in the first trimester: comparison of conventional strategies and non-invasive fetal trisomy test
OP03.09
M. Chen (China)
- Prenatal diagnosis vs 1st trimester screening of Trisomy 21 among pregnant women aged 35 or more
OP03.10
F. Bellussi (Italy)

OP04: Characterising ovarian pathology **Room 120 + 121**

- Chairs: L. Platt (United States); M. Pascual (Spain)**
- Comparison of the diagnostic performance of risk of malignancy indices in the preoperative assessment of adnexal tumors
OP04.01
N. Abdalla (Poland)
- Comparing two strategies for classifying adnexal masses using IOTA simple descriptors
OP04.02
J.M. Alcázar (Spain)
- Risk of malignancy of unilocular cyst
OP04.03
M. Carvalho Afonso (United Kingdom)
- Prevalence of various ultrasonographic findings in cases of ovarian torsion
OP04.04
P. Sladkevicius (Sweden)
- Abstract withdrawn*
OP04.05
- Unmasking the great impostor: genital tuberculosis
OP04.06
M. Grigore (Romania)

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- 3D image analysis; involvement in the preoperative characterisation of ovarian masses as benign or malignant
OP04.07
S. Stavrou (Greece)
- Feasibility of the automation of clinical diagnostic model research
OP04.08
A. Installé (Belgium)
- Ultrasound features of borderline ovarian tumors using the IOTA simple rules
OP04.09
A.D. Putra (Indonesia)

OP05: CHD: early diagnosis and new imaging methods **Room 116 + 117**

- Chairs: R. Chaoui (Germany); C. Comas (Spain)**
- Prenatal diagnosis of major aortopulmonary collateral arteries in a series of 17 fetuses with pulmonary atresia with ventricular septal defect
OP05.01
I. Soveral (Spain)
- Prenatal prediction of coarctation of the aorta
OP05.02
S. Grinenco (Argentina)
- Prenatal prediction of coarctation of aorta in fetuses with early onset cardiac asymmetry
OP05.03
E. Gómez Montes (Spain)
- Prenatal prediction of coarctation of aorta in fetuses with late onset cardiac asymmetry
OP05.04
E. Gómez Montes (Spain)
- Assessment of fetal arrhythmias by fetal colour tissue Doppler imaging (cTDI)
OP05.05
J. Steinhart (Germany)
- A new approach to the prenatal diagnosis of aortic coarctation: aortic arch anatomical characteristics which improve early recognition
OP05.06
V. Vangi (Italy)
- Antenatal cardiovascular MRI in the human fetus
OP05.07
M. Tavares de Sousa (Germany)
- First-trimester diagnosis of fetal cardiovascular system anomalies Accuracy study for 2D and 4D ultrasound methods
OP05.08
S. Tudorache (Romania)
- Congenital caput medusae: rare case of fetal high-output cardiac dysfunction
OP05.09
E. Sinkovskaya (United States)

OP06: The first trimester scan **Room 112**

- Chairs: C.M. Bilardo (Netherlands); F. Audibert (Canada)**
- True Reproducibility of UltraSound Techniques (TRUST): late first trimester uterine artery pulsatility index using transabdominal and transvaginal ultrasound
OP06.01
W.P. Martins (Brazil)
- Is the rate of pre- and postnatal karyotype aberrations in pregnancies conceived by assisted reproductive technology correlated to the type of treatment?
OP06.02
C.B. Wulff (Denmark)
- Peak-to-peak automated measurement of nuchal translucency: comparison of reproducibility with manual measurement
OP06.03
O. Morel (France)
- Outcome of pregnancy in chromosomally-normal fetuses with increased nuchal translucency
OP06.04
M. Adiego (Spain)
- Pitfalls of first trimester (FT) anomaly scan
OP06.05
D.G. Iliescu (Romania)
- Low-set ear in early fetuses with CRL 45-84mm detected by 3D ultrasound
OP06.06
R.K. Pooj (Japan)
- Automated measurement of nuchal translucency by volume NTM (3D ultrasound): improving quality of nuchal translucency measurements by two- and three-dimensional ultrasound
OP06.07
H. Lee (Republic of Korea)

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"Crash sign": displacement and deformation of mesencephalon against occipital bone in the diagnosis of spina bifida at 11–13 weeks
F. Ushakov (United Kingdom)

Ductus venosus agenesis in a low risk population between 11 and 13+6 week's gestation: outcome and implications from a tertiary center
C. Votino (Belgium)

OP07: Ultrasound in labour at term**Room 114 + 115****Chairs: K. Kalache (Germany); G.E. Chalouhi (France)**

Reliability of a novel 3D ultrasound technique for the measurement of the subpubic angle at term of pregnancy
A. Youssef (Italy)

Prediction of delivery mode using angle of progression, before onset of labour in nulliparous women at term
H. Jin (Republic of Korea)

Assessment of the angle of progression before induction of labour: can it predict a successful induction?
M. Gillar (Israel)

Evaluation of elastography of uterine cervix in predicting time interval from induction to delivery in women with a low bishop score
L. Sonnier (France)

Head progression distance during the first stage of labour as a predictor for delivery outcome
U. Erlik (Israel)

Can ultrasound assessed fetal position predict Caesarean section in nulliparous women with prolonged first stage of labour?
T. Eggebo (Norway)

A model to predict vaginal delivery based on ultrasound and characteristics of the labour
T.M. Eggebo (Norway)

An image-scoring method for angle of progression in the second stage of labour
T. Quibel (France)

Can the use of intrapartum ultrasound reduce the rate of failed instrumental deliveries?
O. Barak (Israel)

Software-based on intrapartum sonography to predict the difficulty in vacuum-assisted delivery
J. Sainz Bueno (Spain)

Prediction of postpartum hemorrhage measuring the largest ultrasonographic diameter of placenta at around 36 weeks of gestation
Q. Thibaud (France)

OP08: Assessment of fetal wellbeing**Room 113****Chairs: A. Bhide (United Kingdom); R. Schild (Germany)**

Fetal weight estimation at term is not influenced by maternal BMI and weight gain
S. Vannuccini (Italy)

Perinatal outcomes in fetal severe anemic syndrome treated by intrauterine transfusions
N. Pavlova (Russian Federation)

Diagnosis of severe fetomaternal hemorrhage: personal experience and systematic review
F. Bellussi (Italy)

Blood flows in pregnancies with isolated single umbilical artery (SUA): a prospective case control study
E. Spiegel (Israel)

Predictive value of second and third trimester fetal renal artery Doppler in idiopathic oligohydramnios and polyhydramnios in low risk pregnancies
A. Tazeqül Pekin (Turkey)

OP - Monday 15 September 2014

Association of Doppler parameters with placental signs of underperfusion in late-onset SGA pregnancies
M. Parra-Saavedra (Spain)

Cerebroaortic ratio: a new index for the prediction of adverse perinatal outcome in term small-for-gestational age fetuses with normal umbilical artery Doppler
R. Cruz-Martinez (Mexico)

The association between fetal Doppler in the third trimester and admission to neonatal unit at term
A. Khalil Elborai (United Kingdom)

Increased third trimester uterine artery Doppler indices are associated with fetal hypoxemia at term
M. Carvalho Afonso (United Kingdom)

Hemodynamic changes in umbilical vein (UV) and ductus venosus (DV) flow induced by uterine contractions during normal labour
M. Bellotti (Italy)

Ultrasound predictors of neonatal morbidity in prolonged pregnancies
M. Carvalho Afonso (United Kingdom)

OP09: Ultrasound in oncology**Room 120 + 121****Chairs: D. Fischerová (Czech Republic); J.M. Alcázar (Spain)**

The diagnostic accuracy of ultrasound in assessment of myometrial and cervical invasion in endometrial cancer: subjective assessment vs. objective techniques
E. Frühauf (Czech Republic)

Contrast enhanced ultrasound in breast tumors: use of SonoLiver CAP and application of parametric imaging
J. Quan (China)

Factors affecting sonographic preoperative local staging of endometrial cancer
D. Fischerová (Czech Republic)

Usefulness of transvaginal ultrasound in the preoperative evaluation of G1/G2 endometrioid endometrial cancer
J.M. Alcázar (Spain)

The association of changes in cervical cancer reogenicity and vascularization with treatment effect of neoadjuvant chemotherapy
A. Dueckelmann (Germany)

Role of 3D ultrasound in the evaluation of the local extent of disease in advanced stage uterine cervical cancer
J.M. Alcázar (Spain)

Demonstration of the neovascularisation patterns in 64 carcinomas of the cervix – comparison between 2D and 3D ultrasound examinations
E. Merz (Germany)

Dynamic contrast-enhanced MR imaging of endometrial cancer: optimising the imaging delay for tumor-myometrium contrast
M. Moon (Republic of Korea)

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Dynamic contrast-enhanced MR imaging of endometrial cancer: optimising the imaging delay for tumor-myometrium contrast
M. Moon (Republic of Korea)

OP10: Fetal cardiac function to assess fetal conditions**Room 116 + 117****Chairs: H. Gardiner (United States); M. Herrera (Colombia)**

Fetal longitudinal myocardial function between 11+0 and 15+6 weeks gestation
E. Sinkovskaya (United States)

Myocardial color tissue Doppler imaging (cTDI) – assessment of isovolumetric time intervals in healthy fetuses
A. Willruth (Germany)

Comparison of Simpson vs Teicholz methods for the evaluation of ejection fraction in the fetal heart
M. Cruz-Lemini (Spain)

Comparison of Simpson vs Teicholz methods for the evaluation of ejection fraction in the fetal heart
M. Cruz-Lemini (Spain)

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Tricuspid annular plane systolic excursion in fetal echocardiography <i>I.A. Williams (United States)</i>	OP10.04
f-Tapase for fetal cardiac function evaluation in the early second trimester of pregnancy in normal and pathological cases <i>B. Messing (Israel)</i>	OP10.05
Effects of corticosteroids on fetal cardiac function in IUGR fetuses <i>L.H. Pedersen (Denmark)</i>	OP10.06
Longitudinal annular displacement by M-mode (MAPSE/TAPSE) is abnormal in both recipient and donor in twin-twin transfusion syndrome before and after laser surgery <i>J.U. Ortiz (Spain)</i>	OP10.07
Fetal cardiovascular programming in singleton versus twin pregnancies conceived by assisted reproductive technologies <i>F. Crispi (Spain)</i>	OP10.08
Evaluation of right ventricular function assessed by color-coded tissue Doppler (C-TDI) in fetuses with hypoplastic left heart (HLH) <i>C. Enzensberger (Germany)</i>	OP10.09

OP11: Multiple pregnancy I**Room 120 + 121****Chairs: K. Hecher (Germany); A. Gagnon (Canada)**

What is the significance of an intertwin size discrepancy in the first trimester of IVF pregnancies? <i>S. Sur (United Kingdom)</i>	OP11.01
Sensitivity of first trimester ultrasound in detecting fetal structural malformations in twin pregnancies <i>F. D'Antonio (United Kingdom)</i>	OP11.02
Prediction of monochorionicity-related vascular complications in twin pregnancies presenting with amniotic fluid discordance <i>A. Khalil (United Kingdom)</i>	OP11.03
Fetal cardiac parameters for the prediction of twin-twin transfusion syndrome <i>F. Prefumo (Italy)</i>	OP11.04
The significance of abnormal cord insertion for perinatal outcome in monochorionic twin pregnancies <i>N. Yonetani (Japan)</i>	OP11.05
Nomograms of fetal biometry for monochorionic and diamniotic twin pregnancies <i>E. Breslin (United Kingdom)</i>	OP11.06
Perinatal outcomes of triplet pregnancies by chorionicity <i>Y. Kim (Republic of Korea)</i>	OP11.07
The influence of chorionicity on miscarriage and fetal loss in triplet pregnancies <i>F. D'Antonio (United Kingdom)</i>	OP11.08
Why do triplets deliver? Usually not due to preterm labour <i>J.A. Copel (United States)</i>	OP11.09
Spontaneous preterm birth in triplet pregnancies is independent from cervical length measurement at mid-gestation <i>A. Fichera (Italy)</i>	OP11.10

OP12: Placental function and pre-eclampsia**Room 114 + 115****Chairs: A. Baschat (United States); A. Bhide (United Kingdom)**

Risk assessment for pre-eclampsia in nulliparous women at 11 to 13 weeks gestational age: evaluation of two algorithms <i>R.B. Skråstad (Norway)</i>	OP12.01
First and second trimester combined screening for pre-eclampsia <i>A. Sepúlveda-Martínez (Chile)</i>	OP12.02

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Prediction of pre-eclampsia in its early and late forms through flow-mediated dilation of the brachial artery <i>C. Amorim de Barros (Brazil)</i>	OP12.03
Are first or second trimester uterine artery Doppler assessment predictors of adverse outcome in pregnancies with systemic lupus erythematosus? <i>M. Parra-Cordero (Chile)</i>	OP12.04
Increased uterine artery resistance at second trimester scan: can we make an individualised approach? <i>I. Herraiz (Spain)</i>	OP12.05
Maternal characteristics and ultrasonographic markers in third trimester might predict late gestational hypertension <i>S. Visentin (Italy)</i>	OP12.06
The uteroplacental and fetal circulations in normotensive pregnancies and those complicated by pre-eclampsia <i>M. Morlando (United Kingdom)</i>	OP12.07
Maternal cardiovascular adaptation to pregnancy: novel insights into the pathophysiology of late-onset pre-eclampsia <i>M. Morlando (United Kingdom)</i>	OP12.08
HIV infection associated with prophylactic HAART does not affect placental invasion and endothelial function in the first half of pregnancy <i>C. Amorim de Barros (Brazil)</i>	OP12.09
Uteroplacental blood flow and placental morphology alteration in a polycystic ovary syndrome-like phenotype sheep model <i>E. Perdrille-Galet (France)</i>	OP12.10
Combination of maternal risk factors and first trimester biochemical and ultrasound markers for the prediction of early pre-eclampsia <i>L.J. Salomon (France)</i>	OP12.11

OP13: Advanced CNS assessment in normal and abnormal conditions**Room 113****Chairs: D. Prayer (Austria); J. P. Bault (France)**

Ultrasound detection of olfactory sulci in normal fetuses <i>L.J. Salomon (France)</i>	OP13.01
Reproducibility of fetal brain measurements using 3D ultrasound <i>A.T. Papageorghiou (United Kingdom)</i>	OP13.02
Global cortical maturation score of normal fetal brain development by neurosonography <i>N. Hahner (Spain)</i>	OP13.03
Anterior and posterior complex: new steps to improve antenatal detection of major cerebral anomalies <i>V. Fernando (Chile)</i>	OP13.04
Prenatal diagnosis of intracranial hemorrhage: report of a series of 17 cases <i>M. Adiego (Spain)</i>	OP13.05
Fetal brain anomalies associated with intrauterine neuroinfection and fetal distress and their postnatal results <i>I. Safonova (Ukraine)</i>	OP13.06
Association between isolated mild ventriculomegaly and fetal infections: a six-year experience <i>G. Masini (Italy)</i>	OP13.07
Impact of ultrasound screening in timing of detection and prevalence of anencephaly in the Netherlands <i>H. Fleurke-Rozema (Netherlands)</i>	OP13.08
A biparietal / transverse abdominal diameter (BPD/TAD) ratio ≤ 1 : a potential hint for open spina bifida at 11-13 weeks scan <i>E.G. Simon (France)</i>	OP13.09
Prenatal neurological level in fetuses with myelomeningocele <i>A. Maroto (Spain)</i>	OP13.10

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OP14: Urogynecology	Room 112
Chairs: P. Barri-Soldevila (Spain); A. Youssef (Italy) Can pelvic floor trauma be predicted antenatally? <i>J. Caudwell-Hall (Australia)</i>	OP14.01
Morphological changes of the levator ani muscle during the first year postpartum after vaginal and Caesarean delivery <i>J. Stær-Jensen (Norway)</i>	OP14.02
In vivo demonstration of sacrocolpopexy mesh course and vaginal displacement on magnetic resonance imaging <i>J. Deprest (Belgium)</i>	OP14.03
Postpartum translabial 2D and 3D ultrasound measurements of the anal sphincter complex in women with obstetric anal sphincter injuries <i>C. Ros (Spain)</i>	OP14.04
Internal anal sphincter thickness as a predictor of obstructed defecation <i>H.P. Dietz (Australia)</i>	OP14.05
The effect of replacing primary vacuum delivery with forceps <i>H.P. Dietz (Australia)</i>	OP14.06
Correlation between the severity of symptoms of stress urinary incontinence and introital ultrasonography parameters of urethral mobility <i>X. Lin (Spain)</i>	OP14.07
Sacrocolpopexy mesh implants: where is the sacral arm? <i>V.H. Eisenberg (Israel)</i>	OP14.08
The utility of transperineal 2D ultrasound during OASIS follow-up <i>E. Martinez Franco (Spain)</i>	OP14.09
Factors which predisposing lesions of levator ani muscle during vaginal delivery and assessment of the impact on the pelvic muscles by 3D-4D ultrasound <i>J. Garcia Mejido (Spain)</i>	OP14.10
Transperineal 3D pelvic ultrasound in the assessment of voiding dysfunction following suburethral sling surgery <i>S. The (Australia)</i>	OP14.11

Explore Barcelona with our Visitor's Guide



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Access the guide online at isuog.org/worldcongress

Program - Tuesday 16 September 2014

MC	07:30 - 08:10 Masterclass sessions
Parallel sessions	08:15 - 09:35 Impact of CHD on the fetal brain Room 116 + 117 Abnormal bleeding Room 112 Caesarean scars and other safety issues Room 114 + 115
Short oral presentations	09:40 - 10:20 Diagnosis and management of CHD Room 116 + 117 Abnormal bleeding Room 112 Caesarean scars and other quality and safety issues Room 114 + 115 Placental insufficiency Room 120 + 121
Parallel sessions	10:45 - 12:05 Advanced CNS evaluation in high risk conditions Room 116 + 117 Pelvic pain and endometriosis Room 112 Cardiovascular risks in IUGR Room 114 + 115
Short oral presentations	12:10 - 12:50 CNS: advanced assessment of the posterior fossa and corpus callosum Room 116 + 117 Pelvic pain and endometriosis Room 112 Diagnosis and management of growth restriction Room 114 + 115 New imaging technologies: MRI and others Room 120 + 121
Sponsor	13:10 - 14:10 Industry sponsored satellite symposium Room 116 + 117
MTP	13:15 - 14:00 Meet the Professor roundtable sessions Room 124 + 125
Parallel sessions	14:15 - 15:35 Advanced imaging techniques for assessing fetal diseases Room 116 + 117 Early pregnancy complications Room 112 SGA or IUGR? Room 114 + 115
Short oral presentations	15:40 - 16:20 New imaging technologies: ultrasound Room 116 + 117 Early pregnancy complications Room 112 Placental disease in IUGR and pre-eclampsia Room 114 + 115 Heart defects and cardiac function Room 113 Case reports: fetal anatomy Room 120 + 121
Workshops	16:45 - 18:10 Diagnosis and treatment of endometriosis Room 116 + 117 Fetoscopic therapy Room 112 Cardiac function Room 114 + 115 Brain evaluation from clinical to research applications Room 113 Outreach Room 120 + 121



ISUOG Outreach Workshop

Supporting ultrasound training in the field

Tuesday
16:45 - 18:10
Room 120 + 121

 **isuog**.org

ISUOG **Outreach** works with volunteers to improve the delivery of ultrasound services in obstetrics and gynecology in under resourced regions of the world.

Attend the Outreach workshop to hear from our volunteers about the challenges and triumphs of teaching teachers in remote settings.

About ISUOG Outreach

Improving healthcare for women: pregnancy related conditions are the leading cause of death in women of child bearing age in the developing world. ISUOG Outreach supports the advancement of diagnosis for obstetric and gynecological conditions in locations with limited resources.

Comprehensive training: intensive hands on training is supported by theoretical knowledge to equip professionals with practical skills needed to deliver competent scans and diagnose the most common obstetric conditions.

Resources and support: all programs are supported by comprehensive educational resources, including ISUOG's own high quality education and lecture materials.

Sustainable model: by teaching teachers, ISUOG aims to provide a sustainable model to advance standards of care for women across the world.

More information about ISUOG Outreach projects can be found at [isuog/outreach](http://isuog.org/outreach)

Program - Tuesday 16 September 2014

07:30 - 08:10		Masterclass sessions	
		Pearls in cardiac imaging A. Abuhamad (United States)	Room 114 + 115
		Prevention of pre-eclampsia: going beyond aspirin A. Baschat (United States)	Room 116 + 117
		How can 3D enhance the gynecological ultrasound investigation? B. Benacerraf (United States)	Room 112
		The integrated approach to fetal growth restriction E. Gratacós (Spain)	Room 113
08:15 - 09:35		Impact of CHD on the fetal brain	Room 116 + 117
		Chairs: S. Yagel (Israel); D. Pugash (Canada)	
08:15		LIVE SCAN: how to assess the impact of CHD on the fetal brain [industry supported*] J.M. Martínez (Spain)	
08:35		Brain abnormalities and neurodevelopmental delay in congenital heart disease A. Khalil (United Kingdom)	
08:55		Neurodevelopmental assessment in infants with major congenital heart disease before open-heart surgery N. Masoller; M. Sanz-Cortes; F. Crispi; O. Gómez; M. Bennasar; J.M. Martínez; E. Gratacós (Spain)	OC12.01
09:00		Discussion	
09:03		Mid-gestational ultrasound parameters for the prediction of cortical development and brain metabolism in term fetuses with congenital heart disease N. Masoller; M. Sanz-Cortes; F. Crispi; O. Gómez; M. Bennasar; G. Egaña-Ugrinovic; N. Bargallo; J.M. Martínez; E. Gratacós (Spain)	OC12.02
09:08		Discussion	
09:11		Brain sulcation and metabolism at term in fetuses with congenital heart defects classified according to the type of placental/systemic blood mix supplying the brain N. Masoller; M. Sanz-Cortes; F. Crispi; O. Gómez; M. Bennasar; G. Egaña-Ugrinovic; N. Bargallo; J.M. Martínez; E. Gratacós (Spain)	OC12.03
09:16		Discussion	
09:19		The impact of fetal growth on neurodevelopment in congenital heart disease L.A. Williams; W.P. Fifer; H. Andrews (United States)	OC12.04
09:24		Discussion	
09:27		Head growth in newborns with prenatally diagnosed congenital heart defects S. Brun; J. Stirnemann; M. Levy; L.J. Salomon; Y. Ville (France)	OC12.05
09:32		Discussion	
08:15 - 09:35		Abnormal bleeding	Room 112
		Chairs: S. Goldstein (United States); T. Van den Bosch (Belgium)	
08:15		Harmonising how we report myometrial pathology and findings we think are associated with fibroids and adenomyosis T. Van den Bosch (Belgium)	
08:35		Discussion	

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

Program - Tuesday 16 September 2014

08:39	Assessing abnormal bleeding in women on HRT and SERMS <i>S. Goldstein (United States)</i>	
08:59	Discussion	
09:03	Intraoperative ultrasonography during laparoscopic myomectomy <i>S. Ferrero; U. Leone Roberti Maggiore; C. Scala; P.L. Venturini; V. Remorgida (Italy)</i>	OC13.01
09:08	Discussion	
09:11	Reproducibility of IETA terms in describing endometrial pathology <i>V. Chiappa; D. Giuliani; L. Ceppi; T. Grassi; A. Lissoni; R. Fruscio (Italy)</i>	OC13.02
09:16	Discussion	
09:19	Differences between proximal and distal endometrial echo thickness in postmenopausal women undergoing saline infusion sonohysterography [SIS] <i>Q. Rotenberg; G. Doulaveris; J. Gebb; M. Renz; P. Dar (United States)</i>	OC13.03
09:24	Discussion	
09:27	Intra- and interobserver variability of ultrasound elastography for gynecologic pathology <i>B. Stoeltinga; W. Hehenkamp; H. Brolmann; J. Huirne (Netherlands)</i>	OC13.04
09:32	Discussion	
08:15 - 09:35 Caesarean scars and other safety issues Room 114 + 115		
<i>Chairs: K. Maršál (Sweden); C. Brezinka (Austria)</i>		
08:15	Prediction of adverse labour outcome by assessment of the Caesarean scar <i>L. Valentin (Sweden)</i>	
08:25	Video demonstration: prediction of adverse labour outcome by assessment of the Caesarean scar <i>N. Jastrow (Switzerland)</i>	
08:35	Maternal obesity as a potential source of error in ultrasound estimation of gestational age at around 12 weeks <i>G. Bak¹; L. Sperling¹; K.Å. Salvesen²; K. Källén², ¹(Denmark); ²(Sweden)</i>	OC14.01
08:40	Discussion	
08:43	B-flow technique in the assessment of ductus venosus flow <i>M. Hynek; D. Smetanova; D. Stejskal (Czech Republic)</i>	OC14.02
08:48	Discussion	
08:51	Long-term effect of simulation-based training on clinical performance: a randomised trial <i>M.G. Tolsgaard¹; E. Dreisler¹; L. Nørgaard¹; M. Madsen¹; N. Freiesleben¹; C. Ringsted²; A. Tabor¹, ¹(Denmark); ²(Canada)</i>	OC14.03
08:56	Discussion	
08:59	A systematic review on the diagnostic accuracy of sonography in the diagnosis of vasa previa <i>L. Ruiters¹; N. Kok^{1,2}; J. Limpens¹; J.B. Derks¹; I.M. de Graaf¹; B.J. Mo^{1,2}; E. Pajkrt¹, ¹(Netherlands); ²(Australia)</i>	OC14.04
09:04	Discussion	
09:07	Longitudinal transvaginal ultrasound evaluation of the Caesarean scar thickness after single or double layer uterotomy closure <i>C. Bamberg; V. Bujak; E. Rodekamp; M. Brauer; L. Hinkson; K. Kalache; W. Henrich (Germany)</i>	OC14.05
09:12	Discussion	

Program - Tuesday 16 September 2014

09:15	The role of prior uterine closure on the lower uterine segment thickness measurement: a multicenter prospective study <i>C. Vachon Marceau¹; N. Jastrow²; S. Roberge¹; S. Demers¹; N. Chaillet¹; R. Gauthier¹; E. Bujold¹, ¹(Canada); ²(Switzerland)</i>	OC14.06
09:20	Discussion	
09:23	Lower uterine segment thickness for prevention of uterine rupture and prediction of uterine scar dehiscence: a multicenter prospective study <i>N. Jastrow¹; N. Chaillet²; S. Demers²; M. Girard²; R. Gauthier²; J. Pasquier²; M. Boulvain¹; E. Bujold², ¹(Switzerland); ²(Canada)</i>	OC14.07
09:28	Discussion	
09:40 - 10:20 Short oral presentation (OP) sessions		
OP15: Diagnosis and management of CHD		Room 116 + 117
<i>Chairs: J.S. Carvalho (United Kingdom); J.C. Fouron (Canada)</i>		
OP16: Abnormal bleeding		Room 112
<i>Chairs: T. Van den Bosch (Belgium); A. Davison (United Kingdom)</i>		
OP17: Caesarean scars and other quality and safety issues		Room 114 + 115
<i>Chairs: L.J. Salomon (France); G. Azumendi (Spain)</i>		
OP18: Placental insufficiency		Room 120 + 121
<i>Chairs: S. Eik-Nes (Norway); D. Oros (Spain)</i>		
10:15 - 10:45 Coffee and e-poster viewing Banquet hall		
10:45 - 12:05 Advanced CNS evaluation in high risk conditions Room 116 + 117		
<i>Chairs: D. Paladini (Italy); I.E. Timor-Tritsch (United States)</i>		
10:45	LIVE SCAN: advanced CNS evaluation [industry supported*] <i>K. Kalache (Germany)</i>	
11:05	^{Y1} Modification of human embryonic cerebellum size and growth trajectories by periconceptional folic acid use: the Rotterdam Predict Study <i>I.V. Koning; I. Groenenberg; A. Gotink; S. Willemsen; M. Gijtenbeek; J. Dudink; A. Go; I. Reiss; E. Steegers; R.P. Steegers-Theunissen (Netherlands)</i>	OC15.01
11:10	Discussion	
11:13	Neurodevelopmental outcome in truly isolated fetal agenesis of corpus callosum <i>G. Pagani; V. Gerosa; F. D'Antonio; M. Gregorini; P. Accorsi; P. Martelli; M. Signorelli (Italy)</i>	OC15.02
11:18	Discussion	
11:21	Predicting symptomatic neonatal CMV infection in infected fetuses without brain anomalies at the time of prenatal diagnosis <i>J. Stirmemann; M. Leruez-Ville; Y. Sellier; Y. Ville (France)</i>	OC15.03
11:26	Discussion	
11:29	Periventricular pseudocysts and the germinal matrix: appearances, associations and neurodevelopmental outcome <i>D. Pugash; C. Mayer; A. Lehman (Canada)</i>	OC15.04
11:34	Discussion	

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

^{Y1} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

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11:37	Significance of anterior horn dilatation at diagnosis in mild ventricular abnormalities <i>E. Eixarch; M. Illa; M. Sanz-Cortes; N. Hahner; B. Puerto; E. Gratacós (Spain)</i>	OC15.05
11:42	Discussion	
11:45	The hippocampal commissure: a new finding at antenatal 3D ultrasound in fetuses with isolated complete callosal agenesis <i>T. Ghi¹; E. Contro¹; M. Nanni^{1,1}; F. Bellussi¹; G. Egaña-Ugrinovic²; G. Grisolia¹; M. Sanz-Cortes²; B. Puerto²; N. Rizzo¹; G. Pilu¹ (Italy); ²(Spain)</i>	OC15.06
11:50	Discussion	
11:53	Take-home messages <i>D. Paladini (Italy)</i>	

10:45 - 12:05 Pelvic pain and endometriosis Room 112

	Chairs: L. Savelli (Italy); S. Guerriero (Italy)	
10:45	Can we achieve consensus on a systematic approach to examining and reporting the presence or absence of endometriosis in women with pelvic pain? <i>G. Condous (Australia)</i>	
11:05	Magnetic resonance enema versus rectal water contrast transvaginal ultrasonography in the diagnosis of rectosigmoid endometriosis <i>S. Ferrero; U. Leone Roberti Maggiore; E. Tafi; C. Scala; P.L. Venturini; E. Biscaldi; V. Remorgida (Italy)</i>	OC16.01
11:10	Discussion	
11:13	Ultrasound diagnosis of uterosacral ligaments' endometriosis: description of a new sign <i>A. Roséfort; H. Gronier; C. Huchon; C. Muratorio; J. Bernard; A. Fauconnier (France)</i>	OC16.02
11:18	Discussion	
11:21	Pre- and post-operative clinical and transvaginal ultrasound findings of adenomyosis in patients with deep infiltrating endometriosis <i>L. Lazzeri; C. Exacoustos; A. Di Giovanni; C. Tosti; S. Pinzauti; M. Malzoni; F. Petraglia; E. Zupi (Italy)</i>	OC16.03
11:26	Discussion	
11:29	Prediction of POD obliteration using the real time dynamic sliding sign: prospective multi-centre study of 200 cases undergoing laparoscopy <i>U. Menakaya¹; S. Reid¹; F. Infante¹; C. Lu²; G. Condous¹ (Australia); ²(United Kingdom)</i>	OC16.04
11:34	Discussion	
11:37	An ultrasound mapping system of pelvic deep infiltrating endometriosis to predict surgical difficulties <i>C. Exacoustos; A. Di Giovanni; L. Lazzeri; C. Tosti; M. Malzoni; F. Petraglia; E. Zupi (Italy)</i>	OC16.05
11:42	Discussion	
11:45	Site-specific tenderness at TVS for assessment of pouch of Douglas obliteration and preoperative mapping in women with endometriosis <i>F. Infante (Australia); U. Menakaya (Australia)</i>	OC16.06 & OC16.07
11:50	Discussion	
11:53	The learning curve of transvaginal ultrasound for preoperative assessment of endometriosis: the first hundred cases <i>V.H. Eisenberg; E. Schiff; R. Achiron; M. Zolti; M. Goldenberg; D. Soriano (Israel)</i>	OC16.08
11:58	Discussion	

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10:45 - 12:05 Cardiovascular risks in IUGR Room 114 + 115

	Chairs: K. Hecher (Germany); E. Llubra (Spain)	
10:45	Impact of IUGR on fetal cardiovascular programming <i>K. Maršál (Sweden)</i>	
11:05	Can we predict cardiovascular risk later in life in intrauterine growth-restricted fetus? <i>S. Visentin; D. Trevisanuto; E. Cosmi (Italy)</i>	OC17.01
11:10	Discussion	
11:13	Evaluation of pulse wave velocity and pulse pressure using ultrasonic phased-tracking method in normal and growth-restricted fetuses <i>S. Miyashita; J. Muromoto; K. Ozawa; J. Murotsuki; N. Yaegashi; H. Hasegawa; H. Kanai (Japan)</i>	OC17.02
11:18	Discussion	
11:21	Comparison of the effect of sildenafil and nitroglycerin on Doppler in pregnancies complicated by placental insufficiency and fetal growth restriction <i>A. Trapani; T. Trapani; S.K. Silveira; M.J. Franco; O.H. Feurschuetter; R.N. Galuzzo; M.S. Pires (Brazil)</i>	OC17.03
11:26	Discussion	
11:29	Postnatal persistence of fetal cardiac remodelling in 6 month-old infants with intrauterine growth restriction <i>M. Cruz-Lemini; F. Crispi; B. Valenzuela-Alcaraz; F. Figueras; J. Bartrons; M. Sitges; B. Bijmens; E. Gratacós (Spain)</i>	OC17.04
11:34	Discussion	
11:37	Increased UV flow volume of severe FGR with oligohydramnios; compensation from placenta after brain-sparing effect? <i>T. Shiga; Y. Takahashi; S. Iwagaki; R. Chiaki; K. Asai; M. Matsui; R. Miwa; R. Shimaoka; I. Kawabata (Japan)</i>	OC17.05
11:42	Discussion	
11:45	In early-onset intrauterine growth restriction no differences in neonatal circulation were found between normal and abnormal ductus venosus <i>J.C. Tanis; D.M. Schmitz; M.R. Boelen; L. Casarella; A.F. Bos; C.M. Bilardo (Netherlands)</i>	OC17.06
11:50	Discussion	
11:53	New clinical messages <i>K. Hecher (Germany)</i>	

12:10 - 12:50 Short oral presentation (OP) sessions

OP19: CNS: advanced assessment of the posterior fossa and corpus callosum	Room 116 + 117
<i>Chairs: D. Pugash (Canada); B. Puerto (Spain)</i>	
OP20: Pelvic pain and endometriosis	Room 112
<i>Chairs: G. Condous (Australia); B. Graupera (Spain)</i>	
OP21: Diagnosis and management of growth restriction	Room 114 + 115
<i>Chairs: C. Brezinka (Austria); B. Thilaganathan (United Kingdom)</i>	
OP22: New imaging technologies: MRI and others	Room 120 + 121
<i>Chairs: D. Prayer (Austria); J. Bartha (Spain)</i>	

12:45 - 14:15 Lunch and e-poster viewing Banquet hall

13:10 - 14:10 Industry sponsored satellite symposium** Room 116 + 117

**Lunchtime satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content. Please see page 134 for our satellite program.

Program - Tuesday 16 September 2014

13:15 - 14:00 Meet the Professor roundtable sessions Room 124 + 125

<i>M. Bebbington</i> (United States)	<i>A. Johnson</i> (United States)
<i>S. Campbell</i> (United Kingdom)	<i>C. Lees</i> (United Kingdom)
<i>J.S. Carvalho</i> (United Kingdom)	<i>L. Platt</i> (United States)
<i>S. Eik-Nes</i> (Norway)	<i>D. Timmerman</i> (Belgium)
<i>H. Gardiner</i> (United States)	

14:15 - 15:35 Advanced imaging techniques for assessing fetal diseases Room 116 + 117

Chairs: D. Prayer (Austria); L.J. Salomon (France)

14:15 LIVE SCAN: quantitative ultrasound using textural analysis [industry supported*]
M. Palacio (Spain)

14:25 LIVE SCAN: cervical elastography [industry supported*]
E. Hernandez-Andrade (United States)

14:35 Minimally invasive fetal autopsy using ultrasound: a feasibility study OC18.05
*C. Votino*¹; *B. Bessieres*²; *V. Segers*¹; *H. Kadhim*¹; *F. Razavi*²;
*M. Condorelli*¹; *R. Votino*¹; *V. D'ambrosio*¹; *T. Cos*¹
¹(Belgium); ²(France)

14:40 Discussion

14:43 ^{yi} Measurement of pulmonary vascular volume using virtual reality OC18.01
three-dimensional ultrasound in fetus with an increased risk of
chronic lung disease
N. Peters; *A. Eggink*; *A.H. Koning*; *D. Tibboel*; *E.A Steegers*;
T.E. Cohen-Overbeek (Netherlands)

14:48 Discussion

14:51 Functional and structural brain connectivity re-organisation assessed OC18.02
by MRI in neonates after intrauterine growth restriction
E. Eixarch; *D. Batalle*; *E. Muñoz-Moreno*; *E. Gratacós* (Spain)

14:56 Discussion

14:59 Association between brain metabolism by MRI spectroscopy with OC18.03
corpus callosum development and cortical sulcation assessed by fetal
MRI at term
M. Sanz-Cortes; *G. Egaña-Ugrinovic*; *R.V. Simoes*; *N. Masoller*;
N. Bargallo; *E. Gratacós* (Spain)

15:04 Discussion

15:07 MRI findings in complicated monochorionic twin pregnancies OC18.04
B. Weisz; *Y. Yinon*; *C. Hoffmann*; *S. Lipitz* (Israel)

15:12 Discussion

15:15 Different effects in neonatal and long-term neurodevelopment after OC18.06
intrauterine growth restriction: hiponutrition and surgical rabbit models
M. Ila; *E. Eixarch*; *E. Muñoz-Moreno*; *D. Batalle*; *F. Figueras*;
E. Gratacós (Spain)

15:20 Discussion

15:23 MRI / ultrasound fusion
L.J. Salomon (France)

Program - Tuesday 16 September 2014

14:15 - 15:35 Early pregnancy complications Room 112

Chairs: S. Goldstein (United States); M. Al-Memar (United Kingdom)

14:15 Developing prediction models to classify PUL as low or high risk
B. Van Calster (Belgium)

14:35 Is there an optimal 48/0 hour hCG ratio cut-off to predict successful OC19.01
conservative management of tubal ectopic pregnancy? & OC19.02
F. Infante (Australia)

14:40 Discussion

14:43 PAPP-A at 5–11 weeks' gestation and the prediction of pregnancy outcome OC19.03
S. Rajendran; *J. Hyett*; *M. Pelosi*; *K. Cheney*; *P. Williams*; *K. Black* (Australia)

14:48 Discussion

14:51 Incidence of persistent trophoblastic tumor and the role of ultrasound OC19.05
scanning in the management of gestational trophoblastic disease: our
experience in a University Hospital in London
N.D. Deo; *S.D. Visvanathan*; *L. Selvarajah* (United Kingdom)

14:56 Discussion

14:59 ^{yi} The psychological effects and patient acceptability of a test to predict OC19.06
viability in early pregnancy: a prospective randomised study
A.Z. Davison; *A. Appiah*; *Y. Sana*; *J. Johns*; *J.A. Ross* (United Kingdom)

15:04 Discussion

15:07 Decision-tree analysis incorporating hCG levels versus risk prediction OC19.07
model (M4): prospective interventional study in the management of PUL
*F. Infante*¹; *C. Lu*²; *U. Menakaya*¹; *G. Condous*¹
¹(Australia); ²(United Kingdom)

15:12 Discussion

15:15 A "scan all" early pregnancy unit policy: when is a sac not a sac and OC19.08
what do we tell the patient?
K. Pua; *M. Islam*; *J. Hamilton* (United Kingdom)

15:20 Discussion

15:23 Ultrasonographic factors predicting a poor outcome in pregnancies OC19.04
between 8 and 10+6 week's gestation
C. Votino; *M. Guizani*; *D. Gayraud*; *M. Condorelli*; *R. Votino*; *A. Votino*;
F. Gubana; *T. Cos* (Belgium)

15:28 Discussion

14:15 - 15:35 SGA or IUGR? Room 114 + 115

Chairs: A.T. Papageorghiou (United Kingdom); F. Figueras (Spain)

14:15 Background to the issues
F. Figueras (Spain)

14:25 Fetal brain cortical development and corpus callosum morphometry OC20.01
assessed by MRI as predictors of an abnormal neurodevelopment
outcome at 2 years of age in term small for gestational age-born infants
M. Sanz-Cortes; *G. Egaña-Ugrinovic*; *C. Bazán-Arcos*; *C. Couve-Pérez*;
E. Gratacós (Spain)

14:30 Discussion

14:33 Assessment of fetal brain vascularisation using three-dimensional OC20.02
power Doppler ultrasound angiography in pregnancies affected by fetal
growth restriction
A. Rossi; *I. Romanello*; *L. Forzano*; *G. Filip*; *A. Citossi*; *D. Marchesoni* (Italy)

14:38 Discussion

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Program - Tuesday 16 September 2014

14:41	Neurodevelopmental outcomes of near-term small-for-gestational-age infants with and without signs of placental underperfusion <i>M. Parra-Saavedra</i> ^{1,2} ; <i>F. Crovetto</i> ¹ ; <i>S. Triunfo</i> ¹ ; <i>S. Savchev</i> ¹ ; <i>A. Nadal</i> ¹ ; <i>E. Gratacós</i> ¹ ; <i>F. Figueras</i> ¹ , ¹ (Spain); ² (Colombia)	OC20.03
14:46	Discussion	
14:49	An integrated model with classification criteria to differentiate late-onset fetal growth restriction vs. small-for-gestational age <i>F. Figueras</i> ; <i>S. Savchev</i> ; <i>S. Triunfo</i> ; <i>F. Crovetto</i> ; <i>E. Gratacós</i> (Spain)	OC20.04
14:54	Discussion	
14:57	Fetal cerebroplacental ratio is an independent predictor of intrapartum fetal compromise and neonatal unit admission <i>A. Khalil</i> ; <i>J. Morales-Roselló</i> ; <i>M. Morlando</i> ; <i>H. Hannan</i> ; <i>A. Bhide</i> ; <i>A.T. Papageorgiou</i> ; <i>B. Thilaganathan</i> (United Kingdom)	OC20.05
15:02	Discussion	
15:05	Angiogenic factors versus Doppler evaluation in the third trimester for the identification of late-onset small-for-gestational age births <i>S. Triunfo</i> ^{1,2} ; <i>M. Parra-Saavedra</i> ^{1,3} ; <i>F. Crovetto</i> ^{1,2} ; <i>V. Rodriguez-Sureda</i> ¹ ; <i>C. Dominguez</i> ¹ ; <i>E. Gratacós</i> ¹ ; <i>F. Figueras</i> ¹ , ¹ (Spain); ² (Italy); ³ (Colombia)	OC20.06
15:10	Discussion	
15:13	Maternal cardiovascular changes in pregnancies complicated by small-for-gestational age neonate <i>M. Morlando</i> ; <i>B. Thilaganathan</i> ; <i>E. Mantovani</i> ; <i>E. Sheehan</i> ; <i>A.T. Papageorgiou</i> ; <i>A. Bhide</i> ; <i>A. Khalil</i> (United Kingdom)	OC20.07
15:18	Discussion	
15:21	New clinical messages <i>A.T. Papageorgiou</i> (United Kingdom)	

15:40 - 16:20 Short oral presentation (OP) sessions

OP23: New imaging technologies: ultrasound	Room 116 + 117
<i>Chairs: L.J. Salomon</i> (France); <i>E. Hernandez-Andrade</i> (United States)	
OP24: Early pregnancy complications	Room 112
<i>Chairs: G. Condous</i> (Australia); <i>S. Bobdiwala</i> (United Kingdom)	
OP25: Placental disease in IUGR and pre-eclampsia	Room 114 + 115
<i>Chairs: M. Yamamoto</i> (Chile); <i>R. Brown</i> (Canada)	
OP26: Heart defects and cardiac function	Room 113
<i>Chairs: J.S. Carvalho</i> (United Kingdom); <i>A. Galindo</i> (Spain)	
OP27: Case reports: fetal anatomy	Room 120 + 121
<i>Chairs: B. Benoit</i> (France); <i>I.E. Timor-Tritsch</i> (United States)	

16:15 - 16:45 **Coffee and e-poster viewing** **Banquet hall**

16:45 - 18:05 Workshop: Diagnosis and treatment of endometriosis **Room 116 + 117**

	Chairs: G. Condous (Australia); J.M. Alcázar (Spain)
16:45	The appearances of typical deep pelvic endometriosis <i>J.M. Alcázar</i> (Spain)
17:05	LIVE SCAN: evaluating pelvic mobility "the sliding sign" [industry supported*] <i>G. Condous</i> (Australia)

Program - Tuesday 16 September 2014

17:25	Deep infiltrating endometriosis: should we use bowel preparation or offset techniques? <i>L. Savelli</i> (Italy)
17:45	The Leuven protocol for the assessment of deep infiltrating endometriosis <i>D. Timmerman</i> (Belgium)

16:45 - 18:05 Workshop: Fetoscopic therapy **Room 112**

	Chairs: J. Deprest (Belgium); E. Eixarch (Spain)
16:45	Introduction <i>J. Deprest</i> (Belgium)
16:50	Maternal safety and complications of fetoscopy <i>E. Eixarch</i> (Spain)
17:10	Discussion
17:15	Congenital diaphragmatic hernia: state of fetal therapy and current trials <i>J. Deprest</i> (Belgium)
17:35	Discussion
17:40	TTTS current debates: stage 1 and Salomon <i>Y. Ville</i> (France)
18:00	Discussion

16:45 - 18:05 Workshop: Cardiac function **Room 114 + 115**

	Chairs: H. Gardiner (United States); F. Crispi (Spain)
16:45	Current state of clinical applications in a fetal medicine setting <i>F. Crispi</i> (Spain)
17:05	Discussion
17:10	Current and future role in the assessment of congenital heart defects <i>J. Rychik</i> (United States)
17:30	Discussion
17:35	Brief overview of techniques and main limitations <i>H. Gardiner</i> (United States)
17:55	Discussion
18:00	Closing remarks <i>H. Gardiner</i> (United States)

16:45 - 18:05 Workshop: Brain evaluation from clinical to research applications **Room 113**

	Chairs: D. Prayer (Austria); M. Sanz-Cortes (Spain)
16:45	Introduction <i>D. Prayer</i> (Austria)
16:50	Are there ways to assess reproducibly migration disorders early in pregnancy? <i>D. Pugash</i> (Canada)
17:10	Discussion
17:15	Networks in the fetal brain visualised by MR methods <i>D. Prayer</i> (Austria)
17:35	Discussion
17:40	MRI spectroscopy: assessing brain metabolism as marker of neurodevelopment <i>M. Sanz-Cortes</i> (Spain)
18:00	Discussion

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16:45 - 18:10 ISUOG Outreach: supporting ultrasound training in the field Room 120 + 121

- Chairs: A. Abuhamad (United States); A. Johnson (United States)**
- 16:45 Welcome and introduction
A. Abuhamad (United States)
- 16:50 Visual and material support: ISUOG eBook
A. Abuhamad (United States)
- 17:00 Discussion
- 17:05 Meeting the challenges for equipment in under-resourced settings
S. Eik-Nes (Norway)
- 17:15 Discussion
- 17:20 The reality on the ground: challenges and solutions
M. Kim (Republic of Korea)
- 17:30 Discussion
- 17:35 Can we give something back?
J.C. Fouron (Canada)
- 17:45 Discussion
- 17:50 Establishing an independent ISUOG-based Outreach training program
R. Abu-Rustum (Lebanon)
- 18:00 Discussion
- 18:05 Closing remarks
A. Johnson (United States)



OP - Tuesday 16 September 2014

OP:15 Diagnosis and management of CHD Room 116 + 117

- Chairs: J.S. Carvalho (United Kingdom); J.C. Fouron (Canada)**
- The impact of congenital heart disease on fetal growth
L.A. Williams (United States) OP15.01
- Myocardial damage in the fetus with complete atrioventricular block caused by maternal anti-SSA antibody
Y. Maeno (Japan) OP15.02
- Isolated aberrant right subclavian artery in low risk population: is it really a Trisomy 21 marker?
M. Bennasar (Spain) OP15.03
- Outcome of fetuses associated with aberrant right subclavian artery (ARSA)
E. Quarello (France) OP15.04
- Pericardial teratoma: diagnosis and management in the fetus
Z. Tian (United States) OP15.05
- Surgical approach for coarctation of the aorta repair: do we have prenatally anything to say?
E. Gómez Montes (Spain) OP15.06
- Isolated giant right atrium: prenatal diagnosis in four cases
L. Guirado (Spain) OP15.07
- Fetal echocardiography findings and outcomes in ectopia cordis; a case series
E.J. Lawrence (United States) OP15.08
- Abstract withdrawn* OP15.09
- Accuracy of 4D-STIC fetal echocardiography at 11–14 weeks gestation
M. Bennasar (Spain) OP15.10

OP16: Abnormal bleeding Room 112

- Chairs: T. Van den Bosch (Belgium); A. Davison (United Kingdom)**
- Reproducibility of 3D-transvaginal sonography by VCI analysis to differentiate endometrial polyp and hyperplasia in pre-menopausal women
F. Leone (Italy) OP16.01
- Ultrasound-guided percutaneous microwave ablation for symptomatic intramural fibroids: mid-term and long-term follow up in disease-specific symptoms and quality of life
J. Zhang (China) OP16.02
- The use of 3D power Doppler ultrasound in the quantification of blood vessels in uterine fibroids; feasibility and reproducibility
L. Nieuwenhuis (Netherlands) OP16.03
- User satisfaction with the Clinical Data Miner electronic data capture software
A. Installé (Belgium) OP16.04
- The accuracy of saline-infusion sonohysterography guided biopsy versus endometrial office biopsy in diagnosing endometrial pathology
F.A. Khan (Saudi Arabia) OP16.05
- The assessment of risk factors for expulsion of Levonorgestrel-releasing system Mirena with the use of three-dimensional transvaginal ultrasound
K. Tokhunts (Armenia) OP16.06
- Comparison of 3D/4D transvaginal ultrasound to 3D saline infused sonohysterography for evaluation of endometrial polyps
F. Astudillo-Davalos (United States) OP16.07
- Three-dimensional (3D) in vitro ultrasound examination in adenomyosis
T. Van den Bosch (Belgium) OP16.08

OP17: Caesarean scars and other quality and safety issues Room 114 + 115

- Chairs: L.J. Salomon (France); G. Azumendi (Spain)**
- Disinfection of transvaginal ultrasound probes in a clinical setting; comparative performance of automated and manual reprocessing methods
M. Moellers (Germany) OP17.01

OP - Tuesday 16 September 2014

- Assignment of gestational length based on last menstrual period, first trimester crown-rump length, ovulation and implantation timing
C. Lees (United Kingdom) OP17.02
- Profile of antenatally-diagnosed congenital anomalies in the public sector of the Western Cape, South Africa: a prospective review
J.L. van der Merwe (South Africa) OP17.03
- Acoustic output measured by thermal and mechanical indices during fetal echocardiography at the time of first trimester scan are machine dependent
D. Nemescu (Romania) OP17.04
- True Reproducibility of UltraSound Techniques (TRUST): systematic review of reliability studies in obstetrics and gynecology
W.P. Martins (Brazil) OP17.05
- Intra- and inter-observer agreement in measurements of Caesarean scar defect and myometrial thickness with 3D ultrasonography
J. Glavind (Denmark) OP17.06
- Comparison of Caesarean hysterotomy scar of single-layer interrupted suture and double-layer interrupted suture by saline contrast sonohysterography
S. Kataoka (Japan) OP17.07
- Caesarean hysterotomy scar in non-pregnant women: reliability of transvaginal sonography with and without contrast enhancement
A. Baranov (Sweden) OP17.08
- Placenta praevia after previous Caesarean section risk stratification: ultrasound versus MRI
J. Vojtech (Czech Republic) OP17.09
- Ultrasound (US) predictors of placental invasion: the placenta accreta index
D.M. Twickler (United States) OP17.10

OP18: Placental insufficiency**Room 113****Chairs: S. Eik-Nes (Norway); D. Oros (Spain)**

- Prevalence of pre-eclampsia according to zygosity and chorionicity in twin pregnancy
Y. Uhm (Republic of Korea) OP18.01
- Term pregnancies with increased resistance of uterine arteries: the risk of complications persist
I. Herraiz (Spain) OP18.02
- Uterine artery Doppler and sFlt-1/PIGF ratio: usefulness in the prediction and diagnosis of pre-eclampsia in lupus pregnancies
I. Herraiz (Spain) OP18.03
- Role or first trimester ultrasound in the prediction of stillbirth over 20 weeks
A. Sepúlveda-Martínez (Chile) OP18.04
- Altered levels of brain neurotransmitters and brain microstructure in newborn rabbits with intrauterine growth restriction and brain vasodilatation
E.A. Hernandez-Andrade (United States) OP18.05
- Elevated red cell distribution width in the newborn is associated with intrauterine growth restriction and hypoxia
C. Shaw (United Kingdom) OP18.06
- Interleukin 16 in twin fetuses complicated by selective intrauterine growth restriction: a new marker of cardiovascular risk
E. Cosmi (Italy) OP18.07
- Sonographic umbilical cord morphology in patients with pre-eclampsia and intrauterine growth restriction in the second and third trimester
C.Y. Sanhal (Turkey) OP18.08
- In vivo assessment of tissue-specific metabolic changes in the fetal rabbit brain associated with intrauterine growth restriction (IUGR)
R.V. Simoes (Spain) OP18.09
- Doppler parameters at routine third trimester ultrasound and subsequent fetal growth
M. Parra-Saavedra (Spain) OP18.10

OP - Tuesday 16 September 2014

- Effect of postnatal diet on reverting cardiovascular remodelling in intrauterine growth restriction
F. Crispi (Spain) OP18.11

OP19: CNS: advanced assessment of the posterior fossa and corpus callosum**Room 116 + 117****Chairs: D. Pugash (Canada); B. Puerto (Spain)**

- Fetal cerebellar damage in fetuses with severe anemia undergoing intrauterine transfusions
A. Curti (Italy) OP19.01
- 3D Ultrasound and abnormalities of the vermis and posterior fossa
T. Palmieri (Italy) OP19.02
- Prenatal diagnosis and postnatal outcome of Blake pouch cyst: a prospective multicentre study
K. Yusupov (Russian Federation) OP19.03
- Posterior fossa anomalies on fetal neurosonography: accuracy of prenatal counselling on prognosis
M.E. Albers (Netherlands) OP19.04
- Perinatal and neonatal outcome of posterior fossa anomalies
M. Signorelli (Italy) OP19.05
- Outcome in isolated posterior fossa malformations: a systematic review and meta-analysis
F. D'Antonio (United Kingdom) OP19.06
- Oblique technique and corpus callosum
T. Palmieri (Italy) OP19.07
- Hypoplastic cavum with normal corpus callosum (CC): normal finding or CNS abnormality marker?
A. Robles Gourley (Spain) OP19.08
- Neurodevelopmental outcome in isolated supratentorial intracranial cysts: a systematic review and meta-analysis
F. D'Antonio (United Kingdom) OP19.09
- US and MRI comparison for the diagnosis of corpus callosum anomalies: an eleventh year period retrospective study of 44 cases
O. Morel (France) OP19.10

OP20: Pelvic pain and endometriosis**Room 112****Chairs: G. Condous (Australia); B. Graupera (Spain)**

- The features of typical and atypical endometriomas and when to suspect malignancy
C. Van Holsbeke (Belgium) OP20.01
- Effect of experience and inter-observer variability for interpreting real time dynamic sliding sign
U. Menakaya (Australia) & OP20.02
- Bladder endometriosis: sonographic features useful for surgical treatment
C. Exacoustos (Italy) OP20.03
- Is experience of sonographers sufficient to diagnose deep infiltrating endometriosis and bowel involvement by transvaginal ultrasonography?
A. Roséfort (France) OP20.04
- Three-dimensional ultrasonography and magnetic resonance imaging (MRI) in the diagnosis of deep endometriosis
S. Guerriero (Italy) OP20.05
- Changes in sonographic findings of adenomyosis after treatment with aromatase inhibitor
S. Ferrero (Italy) OP20.06
- Three-dimensional ultrasound features of uterine junctional zone in patients with ovarian or deep endometriosis
C. Exacoustos (Italy) OP20.07
- Using vaginal ultrasound in diagnosis of endometritis
M.J. Hatem (Syrian Arab Republic) OP20.08
- A single centre experience with ultrasound-guided drainage of tubo-ovarian abscess
M. Agüero Mariño (Spain) OP20.09

OP - Tuesday 16 September 2014

OP21: Diagnosis and management of growth restriction **Room 114 + 115**

- Chairs: C. Brezinka (Austria); B. Thilaganathan (United Kingdom)**
 True Reproducibility of UltraSound Techniques (TRUST): second trimester uterine artery pulsatility index using transabdominal and transvaginal ultrasound OP21.01
W.P. Martins (Brazil)
 Fetal cardiovascular programming in growth restricted 6 month-old infants with and without catch-up growth OP21.02
M. Cruz-Lemini (Spain)
 Prognostic factors and neonatal outcome in fetuses with late-onset growth restriction OP21.03
L. Guariglia (Italy)
 Uniform pregnancy dating in the Netherlands: implementation of a national guideline OP21.04
L.V. Leijden (Netherlands)
 Fetal weight formula can improve the sonographic detection of the SGA fetus: a mathematical model OP21.05
M. Mongelli (Australia)
 Correlation between cord blood biomarkers of brain injury in IUGR and neonatal morbidity OP21.06
M. Gómez Roig (Spain)
 Cardiovascular changes in intrauterine growth restricted fetuses OP21.07
E. Cosmi (Italy)
 CPR 2 as a new Doppler parameter for assessment of wellbeing in fetal growth restricted fetuses OP21.08
A. Rossi (Italy)
 A proposal for a new Doppler parameter: the posterior cerebral artery-derived cerebroplacental ratio 3 OP21.09
A. Rossi (Italy)
 Neurosonographic assessment of the corpus callosum as a potential biomarker of abnormal neurodevelopment using fetal growth restriction as a model OP21.10
M. Sanz-Cortes (Spain)
 Fatty acid intake in pregnant women with placental insufficiency OP21.11
R.M. Nomura (Brazil)

OP22: New imaging technologies: MRI and others **Room 120 + 121**

- Chairs: D. Prayer (Austria); J. Bartha (Spain)**
 Ex-vivo magnetic resonance angiography to explore placental vascular anatomy OP22.01
O. Morel (France)
 Prenatal evaluating method of fetal lung maturity using lung-to-liver signal intensity ratio at magnetic resonance imaging (MRI) OP22.02
Y. Oka (Japan)
 Fetal brain MRI: novel classification and contribution to sonography OP22.03
E. Katorza (Israel)
 Low pulmonary blood flow demonstrated by Doppler and MRI in late onset IUGR OP22.04
L. Sun (Canada)
 Preliminary hemodynamic reference ranges for the normal late gestation human fetus by phase contrast MRI and T2 mapping OP22.05
L. Sun (Canada)
 Postmortem micro-computed tomography (micro-CT) of small fetuses and hearts OP22.06
C.M. Lombardi (Italy)
 Cardiac fiber orientation and coronary changes in a rabbit model of IUGR using X-ray phase-contrast synchrotron radiation-based micro-CT OP22.07
F. Crispi (Spain)
 Variability of hippocampal commissure at antenatal magnetic resonance imaging (MRI) in fetuses with isolated complete callosal agenesis OP22.08
M. Nanni (Italy)

OP - Tuesday 16 September 2014

- Placental T2* in normal pregnancy and in two cases of fetal growth restriction OP22.09
M. Sinding (Denmark)
 Value of virtual touch tissue imaging in the diagnosis of breast tumors OP22.10
J. Quan (China)
 Assessment of placental perfusion in the preeclampsia L-NAME rat model with high-field DCE MRI OP22.11
L.J. Salomon (France)

OP23: New imaging technologies: ultrasound **Room 116 + 117**

- Chairs: L.J. Salomon (France); E. Hernandez-Andrade (United States)**
 Shear wave speeds for evaluating cervical ripening in pregnant women at term OP23.01
H. Feltoich (United States)
 Levator ani changes depending on initial position and rotation of fetal head during vaginal delivery OP23.02
L. Krofta (Czech Republic)
 The effect of e-learning on the quality of cervical length measurements OP23.03
M.A. van Os (Netherlands)
 Ergonomic assessment of 2D vs. 3D ultrasound for obstetric imaging using validated Strain Index (SI) and Rapid Upper Limb Assessment (RULA) analyses OP23.04
M. Roy-Lacroix (Canada)
 Influence of pulse repetition frequency adjustment on three-dimensional power Doppler indices and STIC volumetric pulsatility index using an in vivo model OP23.05
W.P. Martins (Brazil)
 Use of a high-frequency linear transabdominal transducer to evaluate small normal and abnormal structures in obstetrics OP23.06
K.Y. Leung (Hong Kong)
 Impact of ultrasound system settings on three-dimensional power Doppler ultrasound (3dpd) vascular indexes measurements in secretory endometrium OP23.07
D. Rodriguez Morante (Spain)
 Measurement of pulmonary fetal volume by 3D ultrasound (VOCAL) used as a predictor of lethality in fetuses with skeletal dysplasias OP23.08
C. Amorim de Barros (Brazil)
 The effect of body mass index on predicting birth weight using the gestation adjusted prediction method OP23.09
R.T. Overcash (United States)

OP24: Early pregnancy complications **Room 112**

- Chairs: G. Condous (Australia); S. Bobdiwala (United Kingdom)**
 Is there a correlation between morphology of tubal ectopic pregnancy, gestational age and hCG levels? OP24.01 & OP24.02
F. Infante (Australia)
 Are there any sonographic features associated with low serum progesterone in ongoing pregnancies? OP24.03
J. Fuller (United Kingdom)
 Are early pregnancy complications more common in women with hyperemesis gravidarum? OP24.04
S.R. Morgan (United Kingdom)
 The clinical significance of subchorionic hematoma without vaginal bleeding during the first trimester of pregnancy OP24.05
T. Ahn (Republic of Korea)
 Ultrasound (US) findings of placenta accreta in the first trimester OP24.06
E. Moschos (United States)
 Systemic methotrexate as an effective treatment for non-viable Caesarean section scar pregnancy OP24.07
Y. Wah (Hong Kong)

OP - Tuesday 16 September 2014

- Placental sonolucencies in the first trimester: how often do we see them and what do they mean? OP24.08
K.E. Pettit (United States)
- Should women with a previous ectopic pregnancy be allowed to self-refer? OP24.09
S. Woldman (United Kingdom)
- Retained products of conception coincident with negative urine hCG: a case series OP24.10
C.M. Fernandez (United States)

OP25: Placental disease in IUGR and pre-eclampsia Room 114 + 115

- Chairs: M. Yamamoto (Chile); R. Brown (Canada)**
- Heparin added to aspirin for the prevention of pre-eclampsia: a systematic review and meta-analysis OP25.01
E. Bujold (Canada)
- Heat shock protein gene expression: placental and maternal stress response to gestational hypertension, pre-eclampsia and fetal growth restriction OP25.02
I. Hromadnikova (Czech Republic)
- Effects of hypoxia on plasma amino acids and taurine of ovine fetuses in comparison to cerebral blood flow using 3D colour Doppler imaging OP25.03
S. Gruessner (Germany)
- Indirect assessment of central blood flow dynamics and cerebral oxygenation in fetuses with placental circulatory insufficiency OP25.04
R. Lulic Jurjevic (Canada)
- Corpus callosum differences assessed by MRI in term small for gestational age fetuses and its association with neurobehaviour OP25.05
M. Sanz-Cortes (Spain)
- Cord blood biomarkers of brain injury in IUGR and correlation with fetal-placental Doppler values OP25.06
E. Mazarico (Spain)
- Computerized cardiocography and Doppler in the prediction of myocardial damage in pregnancies with early onset placental insufficiency OP25.07
M.Y. Maeda (Brazil)
- Angiogenic factors at diagnosis of late-onset small-for-gestational age and histological placental underperfusion OP25.08
S. Triunfo (Spain)
- In intrauterine growth restriction pulsatility indices of the fetal vessels correlate with neonatal circulation measured with near-infrared spectroscopy OP25.09
J.C. Tanis (Netherlands)
- Correlation between placental underperfusion and perinatal morbidity in late-onset SGA OP25.10
M. Parra-Saavedra (Spain)
- Rates of stillbirth and neonatal death secondary to IUGR over a 10-year period OP25.11
C. Nolan (Ireland)

OP26: Heart defects and cardiac function Room 113

- Chairs: J.S. Carvalho (United Kingdom); A. Galindo (Spain)**
- Z-scores analysis of mitral-tricuspid valve distance in normal fetuses with fetal echocardiography OP26.01
B.W. Zhao (China)
- Myocardial performance index (MPI) for monitoring intrahepatic cholestasis of pregnancy (ICP) OP26.02
A. Henry (Australia)
- Borderline left ventricle: (re) assessment from fetal to neonatal life OP26.03
E. Mlczoch (Austria)
- Maternal and fetal digoxin levels in the treatment of fetal supraventricular tachycardia OP26.04
J.D. Dayton (United States)

OP - Tuesday 16 September 2014

- Anogenital distance in male and female fetuses at 20 to 35 weeks gestation: centile charts and reference ranges OP26.05
Y. Gilboa (Israel)
- Association between peri-conceptional multiple nongenetic risk factors with congenital heart disease OP26.06
H. Su (China)
- Fetal and postnatal echocardiographic correlation in congenital heart disease OP26.07
S. Grinenco (Argentina)
- Echocardiographic accuracy and postnatal follow-up of congenital heart disease: third level centre experience OP26.08
A. Vimercati (Italy)
- Comparison of first trimester to second trimester fetal heart examination in detection of cardiac anomalies in a tertiary fetal medicine teaching unit OP26.09
M. Aboulghar (Egypt)
- Perinatal changes in cardiac function: improvement from fetus to neonate OP26.10
O. Patey (United Kingdom)

OP27: Case reports: fetal anatomy Room 120 + 121

- Chairs: B. Benoit (France); I.E. Timor-Tritsch (United States)**
- Prenatal diagnosis of a lower intestinal fistula with subcutaneous meconium infiltration OP27.01
O. Morel (France)
- Prenatal diagnosis of mature teratoma in an undescended testicle: two-, three-dimensional ultrasound and Doppler features OP27.02
A. Youssef (Italy)
- Prenatal diagnosis of MOPD type I caused by mutations in the RNU4ATAC gene: a case report OP27.03
R. de Groot (Netherlands)
- Novel "alkaline phosphatase-liver/bone/kidney (ALPL)" gene mutation identified in a case of hypophosphatasia OP27.04
R. Madankumar (United States)
- In utero diagnosis of fibrodysplasia ossificans progressive OP27.05
J. Dubé (Canada)
- Cornelia de Lange syndrome: new features for prenatal diagnosis OP27.06
E. Thellier (France)
- Giant cord hemangioma with umbilical vein rupture at delivery OP27.07
A. Kennedy (United States)
- A rare case of 45,X/46,XY mixed gonadal dysgenesis presenting antenatally with ambiguous genitalia OP27.08
M.S. Kutuk (Turkey)
- Prenatal diagnosis of sacrococcygeal teratoma (SCT) rupture OP27.09
A. Kennedy (United States)



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Program - Wednesday 17 September 2014

MC	07:30 - 08:10 Masterclass sessions
Parallel sessions	08:15 - 09:35 Managing abnormalities in the second trimester <i>Room 116 + 117</i> Reproductive medicine and IVF <i>Room 112</i> Multiple pregnancy <i>Room 114 + 115</i>
Short oral presentations	09:40 - 10:20 Improving the accuracy of ultrasound for anomalies <i>Room 116 + 117</i> Growth restriction in late pregnancy <i>Room 112</i> Multiple pregnancy II <i>Room 114 + 115</i> Reproductive medicine <i>Room 120 + 121</i>
Parallel sessions	10:45 - 12:05 Assessing normal and abnormal brain development <i>Room 116 + 117</i> Menopause and screening <i>Room 112</i> Fetal interventions <i>Room 114 + 115</i>
Short oral presentations	12:10 - 12:50 Fetal anomalies <i>Room 112</i> Systematic reviews in gynecology <i>Room 120 + 121</i> Fetal interventions <i>Room 114 + 115</i> Chromosomal abnormalities: from borderline findings to invasive testing <i>Room 116 + 117</i>
Sponsor	13:10 - 14:10 Industry sponsored satellite symposium <i>Room 116 + 117</i>
MTP	13:15 - 14:00 Meet the Professor roundtable sessions <i>Room 124 + 125</i>
Workshops	14:15 - 15:35 CNS: moving beyond the basics <i>Room 113</i> Management of infertility and reproductive medicine <i>Room 112</i> Diagnosis, management and early-onset IUGR: lessons from the TRUFFLE study <i>Room 114 + 115</i>
Plenary	16:00 - 17:10 Closing session and awards <i>Room 116 + 117</i>
Social	17:10 - 18:00 Congress leaving drinks <i>Room 116 + 117</i>

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Program - Wednesday 17 September 2014

07:30 - 08:10	Masterclass sessions	
	Use of 3D volume for a better understanding of embryo development B. Benoit (France)	Room 112
	Ultrasound in the postmenopausal woman S. Goldstein (United States)	Room 113
	Sonography of fetal malpositions in labour G. Pilu (Italy)	Room 116 + 117
	Congenital infections Y. Ville (France)	Room 114 + 115
08:15 - 09:35	Managing abnormalities in the second trimester	Room 116 + 117
	Chairs: C.M. Bilardo (Netherlands); G. Yeo (Singapore) LIVE SCAN: soft palate abnormalities [industry supported*] W. Sepulveda (Chile)	
08:15		
08:35	[†] Antenatal ultrasound prediction of postnatal renal function in congenital lower urinary tract obstruction F. Fontanella; M. Pace; L. Duin; V. Gracchi; E. Pajkrt; C.M. Bilardo (Netherlands)	OC21.01
08:40	Discussion	
08:43	Anomalous umbilical venous drainage: pregnancy outcome M. Carvalho Afonso; R. Arisoy; A.T. Papageorghiu; A. Bhide; J.S. Carvalho; B. Thilaganathan (United Kingdom)	OC21.02
08:48	Discussion	
08:51	Monitoring and when to deliver pregnancies with gastroschisis: a single-centre experience of 52 cases P. Conner; J. hammarqvist Vejde; T. Granholm; C. Mesas Burgos (Sweden)	OC21.03
08:56	Discussion	
08:59	Prenatal diagnosis and long-term outcome of congenitally corrected transposition of great arteries A. Ruiz; C. Rodo; G. Giral; A. Silvia; E. Llubra; E. Carreras; Q. Ferrer (Spain)	OC21.04
09:04	Discussion	
09:07	Outcome of talipes equinovarus diagnosed antenatally in non-selected cohort of 45,774 births: implications for antenatal counselling and referral V. White; S. Raouf; R. Rajan (United Kingdom)	OC21.05
09:12	Discussion	
09:15	Detection of submicroscopic chromosomal aberrations by array-based comparative genomic hybridisation in fetuses with congenital heart disease Q. Wu; Y. Yan; L. Zhang; X. Wang; S. Dan (China)	OC21.06
09:20	Discussion	
09:23	Late termination of pregnancy practice in two tertiary care centres in Flanders, Belgium N. Madhloum; P. Ramaekers; L. De Catte (Belgium)	OC21.07
09:28	Discussion	

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

[†] This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

Program - Wednesday 17 September 2014

08:15 - 09:35 Reproductive medicine and IVF Room 112

- Chairs: S. Campbell (United Kingdom); N. Raine-Fenning (United Kingdom)**
- 08:15 Endometrial scratching: does it work? Why does it work?
When should we do it?
W. Martins (Brazil)
- 08:35 Ultrasound endometrial pattern and endometrial gene expression at the time of embryo transfer in oocyte donation program
I. Aboujaoude¹; D. Haouzy²; S. Hamamah², ¹(Lebanon); ²(France)
- 08:40 Discussion
- 08:43 Modified classification of previously considered arcuate uterus: normal, dysmorphic or septate uterus? Different impact on fertility?
I. Cobuzzi¹; V. Romeo; E. Valli; F. Baiocco; M. Romanini; E. Zupi; C. Exacoustos (Italy)
- 08:48 Discussion
- 08:51 Intraoperative bidimensional and 4D transrectal ultrasonography for hysteroscopic metroplasty
S. Ferrero; V. Ghirardi; N. Bizzarri; P.L. Venturini; V. Remorgida (Italy)
- 08:56 Discussion
- 08:59 Impact of uterine contractility and elastography on pregnancy rate in intrauterine insemination
N. Swierkowski Blanchard; F. Boitrelle; Q. Thibaud; H. Gronier; B. Wainer; A. Torre (France)
- 09:04 Discussion
- 09:07 3DTVS hysterosalpingo-contrast-sonography with gel foam for assessing tubal patency and tubal sterilisation occlusion by Essure device
C. Exacoustos (Italy)
- 09:12 Discussion
- 09:15 Fertility treatment outcomes following standard 2D ultrasound vs 3D automated follicle tracking (sonoAVC)
R. Nagar; K. Tenenbaum-Gavish; B. Fisch; I. Meizner; A. Ben-Haroush (Israel)
- 09:20 Discussion
- 09:23 Do the different PCOS criteria predict pregnancy and neonatal outcome?
M. Kollmann¹; F. Günther¹; V. Schneider¹; H. Sereina¹; W.P. Martins²; N. Raine-Fenning³; P. Klaritsch¹, ¹(Austria); ²(Brazil); ³(United Kingdom)
- 09:28 Discussion

08:15 - 09:35 Multiple pregnancy Room 114 + 115

- Chairs: Y. Ville (France); D. Oros (Spain)**
- 08:15 Current state of prevention of prematurity in twins
A. Tabor (Denmark)
- 08:35 Cervical pessary to prevent preterm birth in twin pregnancies with a short cervix: RCT (PECEP-twins)
M.M. Goya; C. Rodo; M. De la Calle; L. Pratcorona; C. Merced; E. Llubra; T. Higuera Sanz; B. Muñoz; M. Juan Clar; A. Serrano; E. Carreras (Spain)
- 08:40 Discussion
- 08:43 Postnatal catch-up growth in discordant twins within 2 years according to the obstetric characteristics
S. Kim; J.H. Lee; C.W. Park; B.J. Kim; J.S. Park; J.K. Jun; B. Yoon (Republic of Korea)
- 08:48 Discussion

Program - Wednesday 17 September 2014

- 08:51 The influence of gestational age at loss on preterm birth and co-twin death after single fetal loss in twin pregnancies: The STORK multiple pregnancy cohort
F. D'Antonio; A. Khalil; T.D. Dias; A. Bhide; A.T. Papageorgiou; B. Thilaganathan (United Kingdom)
- 08:56 Discussion
- 08:59 Normal range and longitudinal change of cervical length as a function of gestational age in pregnant women with triplet gestations
J.H. Lee; J.K. Jun; E. Kim; S. Kim; C.W. Park; J.S. Park; B. Yoon (Republic of Korea)
- 09:04 Discussion
- 09:07 Inter-twin discordance in mean cerebral artery peak systolic velocity and pregnancy outcome in monochorionic diamniotic twin pregnancies
V. Stagnati; G. Pagani; A. Fichera; F. Prefumo; T. Frusca (Italy)
- 09:12 Discussion
- 09:15 Outcomes of Stage I TTTS or liquor discordant twins: a single-centre review
E. Hinch; A. Henry; I. Wilson; M. Sana; A.W. Welsh (Australia)
- 09:20 Discussion
- 09:23 Maternal serum sFit-1, PIGF and sFit-1/PIGF ratio in the assessment of pre-eclampsia in multifetal gestations: comparison to singleton pregnancies
L. Droege¹; I. Herraiz²; A. Galindo²; H. Zeisler³; D. Schlembach³; H. Stepan¹; W. Henrich¹; S. Verlohren¹, ¹(Germany); ²(Spain); ³(Austria)
- 09:28 Discussion

09:40 - 10:20 Short oral presentation (OP) sessions

- OP28: Improving the accuracy of ultrasound for anomalies Room 116 + 117**
Chairs: A. Ngu (Australia); K.Y. Leung (Hong Kong)
- OP29: Growth restriction in late pregnancy Room 112**
Chairs: A.T. Papageorgiou (United Kingdom); F. Figueras (Spain)
- OP30: Multiple pregnancy II Room 114 + 115**
Chairs: A. Johnson (United States); A. Goncé (Spain)
- OP31: Reproductive medicine Room 120 + 121**
Chairs: T. Van den Bosch (Belgium); N. Raine-Fenning (United Kingdom)

10:15 - 10:45 Coffee and e-poster viewing Banquet hall

10:45 - 12:05 Assessing normal and abnormal brain development Room 116 + 117

- Chairs: G. Pilu (Italy); G. Azumendi (Spain)**
- 10:45 LIVE SCAN: multiplaner neurosonography in practice [industry supported*]
G. Pilu (Italy)
- 11:05 Prenatal sonographic/pathological correlation in the diagnosis of periventricular heterotopia
D. Pugash; C.P. Dunham; G. Hendson (Canada)
- 11:10 Discussion
- 11:13 Automated image analysis to estimate gestational age between 18 and 34 weeks using a single 3D brain volume dataset
B. Kemp; A.I. Namburete; S. Kennedy; J.A. Noble; A.T. Papageorgiou (United Kingdom)
- 11:18 Discussion

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11:21	Impaired cerebral cortex development in human fetuses with posterior brain abnormalities and diagnosed open neural tube defects at 11-13 weeks <i>R. Lachmann; S.A. Fietz; W.B. Huttner (Germany)</i>	OC24.03
11:26	Discussion	
11:29	Midbrain anomalies in fetuses with posterior fossa malformations <i>Z. Leibovitz; C. Pressman; K.K. Haratz; G. Malinger; I. Shapiro; D. Lev; T. Lerman-Sagie (Israel)</i>	OC24.04
11:34	Discussion	
11:37	Fetal brain metabolism assessed by magnetic resonance spectroscopy in late onset "small-for-gestational age" versus "intrauterine growth restriction" <i>M. Sanz-Cortes; R.V. Simoes; N. Bargallo; N. Masoller; F. Figueras; E. Gratacós (Spain)</i>	OC24.05
11:42	Discussion	
11:45	Absence of the choroid plexus of the IV ventricle in the first trimester as a predictor of posterior fossa anomalies and aneuploidies: a 3-dimensional ultrasound study <i>P. Martínez-Ten¹; T. Illescas¹; B. Adiego¹; M. Estévez¹; W. Sepulveda² (Spain); (Chile)</i>	OC24.06
11:50	Discussion	
11:53	How small can a normal corpus callosum be? Reporting confirmed hypoplastic corpus callosum measures to established normal reference ranges <i>A. Ballout El Maoula; G.E. Chalouhi; J. Bault; T. El Kassiss; C. Alby; L.J. Salomon; T. Attie Bitach; Y. Ville (France)</i>	OC24.07
11:58	Discussion	

10:45 - 12:05 Menopause and screening Room 112

	Chairs: S. Campbell (United Kingdom); C. Van Holsbeke (Belgium)	
10:45	Incidental findings in menopausal patients: how common are they, what do they mean? <i>S. Goldstein (United States)</i>	
11:05	A critical appraisal of the current status of ovarian and endometrial cancer screening <i>L. Valentin (Sweden)</i>	
11:25	Discussion	
11:33	Clinical history of asymptomatic endometrial polyps in postmenopausal women: a 15-year follow-up study <i>F. Leone; S. de Meo; C. Marcianite; C. Lanzani; A. Crepaldi; T. Bignardi; I. Cetin; E. Ferrazzi (Italy)</i>	OC25.01
11:38	Discussion	
11:41	Prevalence of endometrial polyps in asymptomatic premenopausal women <i>L. Jokubkiene; P. Sladkevicius; L. Valentin (Sweden)</i>	OC25.02
11:46	Discussion	
11:49	Role of transvaginal colour Doppler ultrasound in early diagnosis of ovarian cancer: a 15-year experience <i>M. Pascual; B. Graupera; L. Hereter; F. Tresserra; I. Rodriguez; R. Fábregas (Spain)</i>	OC25.03
11:54	Discussion	
11:57	Clinical history of low-risk ovarian lesions in postmenopausal women <i>F. Leone; S. de Meo; F. Parisi; M. Mazzocco; I. Cetin (Italy)</i>	OC25.04
12:02	Discussion	

Program - Wednesday 17 September 2014

10:45 - 12:05 Fetal interventions Room 114 + 115

	Chairs: K. Hecher (Germany); M. Bebbington (United States)	
10:45	Open fetal surgery for myelomeningocele: outcomes in a post-MOMs trial cohort <i>M. Bebbington; K.J. Moise; A. Johnson; K. Tsao; S.A. Fletcher (United States)</i>	OC26.01
11:05	Right-sided congenital diaphragmatic hernia in a decade of fetal surgery <i>P. DeKoninck¹; O. Gómez²; I. Sandaite^{1,1}; J. Richter¹; K. Nawapun¹; A. Eerdeken¹; J. Ramirez²; F. Claus¹; E. Gratacós²; J. Deprest¹ (Belgium); (Spain)</i>	OC26.02
11:10	Discussion	
11:13	Does fetal aortic valvuloplasty alter outcomes in aortic valve stenosis? Results of a retrospective European multinational multicentre study <i>H. Gardiner^{1,2}; A. Kovacevic^{3,2}; M. Mellander⁴; G. Tulzer⁶; M. Roughton²; A. Ohman⁴; J.H. Dangel⁵; U. Herberg³; (United States); (United Kingdom); (Germany); (Sweden); (Poland); (Austria)</i>	OC26.03
11:18	Discussion	
11:21	Single intrauterine fetal demise after laser therapy for twin-twin transfusion syndrome: room for improvement? <i>S. Eschbach; L. Boons; A.M. Middeldorp; F.J. Klumper; E. Lopriore; D. Oepkes; M.C. Haak (Netherlands)</i>	OC26.04
11:26	Discussion	
11:29	Aortic isthmus and umbilical artery Doppler for the prediction of intrauterine fetal demise after laser photocoagulation in twin-twin transfusion syndrome <i>F. Leduc; F. Fuchs; R. Gendron; J.C. Fouron; F. Audibert (Canada)</i>	OC26.05
11:34	Discussion	
11:37	Short-time impact of laser ablation of placental anastomoses on myocardial function in monozygotic twins with twin-twin transfusion syndrome (TTTS) <i>J. Degenhardt; C. Enzensberger; T. Kohl; A. Tenzer; R. Axt-Flidner; *Fetal Cardiac Imaging Research Group (Germany)</i>	OC26.06
11:42	Discussion	
11:45	Differential patterns of prenatal ipsilateral and contralateral lung growth in isolated left-sided congenital diaphragmatic hernia <i>N. Phithakwatchara^{1,2}; A. Coleman¹; P. Burns¹; F. Lim¹; A. Shaaban¹ (United States); (Thailand)</i>	OC26.07
11:50	Discussion	
11:53	Clinical take-home messages <i>K. Hecher (Germany)</i>	

12:10 - 12:50 Short oral presentation (OP) sessions

OP32: Fetal anomalies	Room 112
<i>Chairs: C. Brezinka (Austria); H. Muñoz (Chile)</i>	
OP33: Systematic reviews in gynecology	Room 120 + 121
<i>Chairs: W. Martins (Brazil); B. Van Calster (Belgium)</i>	
OP34: Fetal interventions	Room 114 + 115
<i>Chairs: Y. Ville (France); M. Bebbington (United States)</i>	
OP35: Chromosomal abnormalities: from borderline findings to invasive testing	Room 116 + 117
<i>Chairs: G. Yeo (Singapore); N. Maiz (Spain)</i>	

Program - Wednesday 17 September 2014

12:45 - 14:15 Lunch and e-poster viewing **Banquet hall**

13:00 - 14:00 Industry sponsored satellite symposium** **Room 116 + 117**

13:15 - 14:00 Meet the Professor roundtable sessions **Room 124 + 125**

<i>A. Baschat</i> (United States)	<i>J. Hyett</i> (Australia)
<i>C.M. Bilardo</i> (Netherlands)	<i>D. Jurkovic</i> (United Kingdom)
<i>T. Boume</i> (United Kingdom)	<i>B. Thilaganathan</i> (United Kingdom)
<i>K. Hecher</i> (Germany)	<i>L. Valentin</i> (Sweden)

14:15 - 15:35 Workshop: CNS: moving beyond the basics **Room 113**

Chairs: J. Copel (United States); J. Bartha (Spain)

14:15 Introduction
 14:20 LIVE SCAN: first-trimester assessment of the fetal brain [industry supported*]
C.M. Bilardo (Netherlands)
 Discussion
 14:40 Enlarged posterior fossa
G. Pilu (Italy)
 Discussion
 15:05 Borderline ventriculomegaly
I.E. Timor-Tritsch (United States)
 Discussion
 15:30 Discussion

14:15 - 15:35 Workshop: Management of infertility and reproductive medicine **Room 112**

Chairs: N. Raine-Fenning (United Kingdom); P. Barri (Spain)

14:15 Evaluating the endometrium and tubes using ultrasound contrast agents: saline and gel
T. Van den Bosch (Belgium)
 14:35 How to individualise ovarian stimulation?
W. Martins (Brazil)
 14:55 Follicle tracking: understanding the basics and is it the time to introduce automation?
N. Raine-Fenning (United Kingdom)
 15:15 Technical advances in sub-fertility
P. Barri (Spain)

14:15 - 15:35 Workshop: Diagnosis, management and early-onset IUGR: lessons from the TRUFFLE study **Room 114 + 115**

Chairs: E. Gratacós (Spain); A.T. Papageorgiou (United Kingdom)

14:15 Introduction
E. Gratacós (Spain)
 14:20 Physiology of severe early onset IUGR
A. Baschat (United States)
 14:40 Discussion

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

**Lunchtime satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content. Please see page 134 for our satellite program.

Program - Wednesday 17 September 2014

14:45 Morbidity, mortality and long-term impact on development
E. Eixarch (Spain)
 Discussion
 15:05 Towards a consensus of managing severe IUGR
C. Lees (United Kingdom)
 Discussion
 15:30 Discussion

15:30 - 16:00 Coffee and e-poster viewing **Banquet hall**

16:00 - 17:10 Closing plenary **Room 116 + 117**

Chairs: A. Ngu (Australia); A. Gagnon (Canada)

16:00-16:36 **Debate: Caesarean scar pregnancies: myths and realities**

16:00 Caesarean scar pregnancy: on a continuum with placenta accreta
I.E. Timor-Tritsch (United States)

16:10 Rebuttle

16:13 Caesarean scar pregnancy: diagnostic and management uncertainties
D. Jurkovic (United Kingdom)

16:23 Rebuttle

16:26 Discussion

16:36 The likeness of fetal and newborn growth in healthy populations

A.T. Papageorgiou (United Kingdom)

16:56 Awards presentation: Young Investigator award and best presentations

A.T. Papageorgiou (United Kingdom)

17:06 Closing remarks and introduction to Montréal!

A. Gagnon (Canada)

17:10-18:00 Congress leaving drinks **Room 116 + 117**

We are delighted to invite you to participate in ISUOG's 25th World Congress on Ultrasound in Obstetrics and Gynecology in the dynamic city of Montréal.



**25th World Congress on Ultrasound
 in Obstetrics and Gynecology**
 Montréal, Canada, 11–14 October 2015



Join us in Montréal to be part of our 25th birthday celebrations...



OP - Wednesday 17 September 2014

OP28: Improving the accuracy of ultrasound for anomalies Room 116 + 117

- Chairs: A. Ngu (Australia); K. Y. Leung (Hong Kong)**
- Diagnostic accuracy of prenatal ultrasound in identifying small bowel atresia OP28.01
F. D'Antonio (United Kingdom)
- Fetal ovarian cysts: the predictive role of ultrasound appearance for postnatal surgery OP28.02
N. Palai (Italy)
- Comparison of the reliability of two fetal hydronephrosis grading system: The Society for Fetal Urology grading system vs. Onen grading system OP28.03
H. Lee (Republic of Korea)
- More than a gut feeling: sonographic prenatal diagnosis of imperforate anus in a high risk population OP28.04
S. Perlmán (Israel)
- 2D and 3D ultrasound imaging of the fetal normal and bifid uvula OP28.05
G. Liberty (Israel)
- Objective assessment of fetal micrognathia: a new role for the prefrontal space ratio OP28.06
E. Contro (Italy)
- Prenatal diagnosis of intra-abdominal cystic lesions: accuracy of fetal ultrasonography OP28.07
L.J. Salomon (France)
- Performance of prenatal diagnosis in esophageal atresia OP28.08
L.J. Salomon (France)
- Volumetric ultrasound; the on-line added value OP28.09
S. Tudorache (Romania)
- Routine third trimester ultrasound screening detection rate of congenital anomalies OP28.10
D. Oros (Spain)
- The influence of methodology of counting malformations on the sensitivity of ultrasound examination OP28.11
N. Vecek (Croatia)

OP29: Growth restriction in late pregnancy Room 112

- Chairs: A.T. Papageorghiou (United Kingdom); F. Figueras (Spain)**
- Small-for-gestational age screening at third trimester ultrasound: performances, obstetrical and neonate outcomes OP29.01
E. Perdrille-Galet (France)
- Antenatal prediction of small-for-gestational age by customised fetal weight estimation OP29.02
E. Perdrille-Galet (France)
- Timing of delivery and neonatal outcome for small-for-gestational age fetuses OP29.03
S. Visentin (Italy)
- Second trimester three-dimensional fetal fractional thigh volume as a predictor of fetal growth restriction OP29.04
K. Mohan (India)
- Fetal arm fat: a better marker than thigh fat for nutritional status? OP29.05
C.L. Knight (United Kingdom)
- The impact of introducing customised fetal growth charts on maternity services in a district general hospital (3000 deliveries/annum) OP29.06
S. Cunningham (United Kingdom)
- Average fetal weekly weight gain: a novel measure of fetal growth velocity OP29.07
M. Mongelli (Australia)
- Impact of cerebral redistribution on neurological outcomes in small-for-gestational age babies: a systematic review OP29.08
S. Meher (United Kingdom)
- Umbilical and middle cerebral artery Doppler to predict adverse outcome in a cohort of fetuses with intrauterine growth restriction OP29.09
F. Audibert (Canada)
- Fetal Doppler changes in pregnant women with influenza AH1N1 infection and reduced arterial partial pressure of oxygen (PAO2) OP29.10
E.A. Hernandez-Andrade (United States)
- Can low-middle cerebral artery Dopplers predict adverse fetal outcomes? OP29.11
F. Astudillo-Davalos (United States)

OP - Wednesday 17 September 2014

OP30: Multiple pregnancy II Room 114 + 115

- Chairs: A. Johnson (United States); A. Goncé (Spain)**
- Perinatal outcome in crown-rump length discordant twin pregnancies, a retrospective cohort study OP30.01
L.V. Leijden (Netherlands)
- Crown-rump length discordance and fetal structural abnormalities in twin pregnancies OP30.02
A. Khalil Elborai (United Kingdom)
- Second trimester ultrasound measures in prediction of birth weight discordance and SGA in dichorionic twins OP30.03
L. Rode (Denmark)
- Cervical length measurement in twin pregnancies at 18-22 weeks: not the best test for all preterm births OP30.04
A. Fichera (Italy)
- Can middle cerebral artery peak systolic velocity predict polycythemia in monochorionic diamniotic twins? Evidence from a longitudinal study OP30.05
M. Fishel-Bartal (Israel)
- Prognostic value of gestational age at diagnosis in TTTS treated by fetoscopic coagulation of anastomoses OP30.06
J. Stirnemann (France)
- Is there a role for planned vaginal delivery in monochorionic diamniotic twin pregnancies? OP30.07
E. Breslin (United Kingdom)
- Neurophysiological development in twins at 48-60 months after the estimated date of delivery: comparison of progesterone and placebo treatment during second and third trimester of pregnancy OP30.08
L. Rode (Denmark)
- Perinatal outcome after laser treatment for twin-twin transfusion syndrome in triplet pregnancies: a systematic review and meta-analysis OP30.09
F. D'Antonio (United Kingdom)

OP31: Reproductive medicine Room 120 + 121

- Chairs: T. Van den Bosch (Belgium); N. Raine-Fenning (United Kingdom)**
- Does morphology of uterine septum have an impact on reproductive outcome? OP31.01
An observational study on 180 septate uteri evaluated with 3D TVS
C. Exacoustos (Italy)
- 3D ultrasound novel geometric measures for normally appearing uterine cavity in nulliparous females in reproductive age OP31.02
M.A. Abdel-Naby (Egypt)
- A comparison of two different balloon catheters for hysterosalpingo-foam sonography (HyFoSy) OP31.03
D. Van Schoubroeck (Belgium)
- Use of 3D power Doppler ultrasound and VOCAL in the evaluation of endometrial vascularisation of infertile patients with implantation failure or recurrent miscarriage OP31.04
A.L. Iglesias (Argentina)
- Accuracy of transvaginal three-dimensional ultrasound in diagnosis of congenital uterine anomalies OP31.05
M. Li (China)
- The impact of endometriosis on assisted reproduction outcomes: an observational study OP31.06
C.O. Nastri (Brazil)
- A primary study on transvaginal real-time three-dimensional hysterosalpingo-contrast sonography in the assessment of tube patency OP31.07
X. Zhang (China)
- Endometrial thickness: an estimate of endometrial receptivity or just a reflection of ovarian response? OP31.08
C.O. Nastri (Brazil)
- Clinical value of transvaginal real-time three-dimensional hysterosalpingo-contrast sonography in the evaluation of tubal patency OP31.09
Y. Guo (China)
- Training of nurses of assisted reproduction units in 3D folliculometry OP31.10
A. Rodriguez (Spain)

OP - Wednesday 17 September 2014

OP32: Fetal anomalies

Room 112

Chairs: C. Brezinka (Austria); H. Muñoz (Chile)

- Maternal psychological stress responses in pregnancy after ultrasonographic detection of a fetal malformation: a longitudinal study
A. Kaasen (Norway) OP32.01
- Influence of prenatal diagnosis and place of birth on outcome for congenital diaphragmatic hernia in New South Wales
A.W. Welsh (Australia) OP32.02
- Prenatal diagnosis of clubfoot: risk of association with other anomalies and postnatal outcome
C. Platto (Italy) OP32.03
- Outcome of umbilical vein varix (UVV)
A. Kennedy (United States) OP32.04
- Standardised postnatal care in isolated congenital diaphragmatic hernia: prognostic factors and perinatal outcome
E. Antolin (Spain) OP32.05
- The natural history of spontaneous chorioamniotic separation diagnosed after 17 weeks' gestation
C. Bibbo (United States) OP32.06
- Outcomes of congenital surgical anomalies: a population-based study on influence of prenatal diagnosis and place of birth in New South Wales
A.W. Welsh (Australia) OP32.07
- Involution of multicystic dysplastic kidney: does initial size matter?
S.M. Lee (Republic of Korea) OP32.08
- Prenatal diagnosis of ductus venosus agenesis: anatomic variants, associated anomalies and impact on the postnatal course
C. Berg (Germany) OP32.09
- Infection's screening and polyhydramnios: our experience on 342 cases
C. Gaini (Italy) OP32.10
- Prognostic factors in pregnancies complicated with fetal gastroschisis
D. Nowakowska (Poland) OP32.11

OP33: Systematic reviews in gynecology

Room 120 + 121

Chairs: W. Martins (Brazil); B. Van Calster (Belgium)

- Overview: statistical strengths and weaknesses of systematic reviews and meta analysis
J. Kaijser (Belgium) OP33.01
- The impact of endometriosis and its staging on assisted reproduction outcomes: a systematic review and meta-analysis
C.O. Nastri (Brazil) OP33.02
- How good are the sonographic markers in detecting endometrial polyps? A systematic review and meta-analysis
G. Salman (United Kingdom) OP33.03
- Accuracy of early ultrasound in the diagnosis of an intrauterine pregnancy prior to development of a yolk sac: a systematic review and meta-analysis
A. Richardson (United Kingdom) OP33.04
- Time-lapse embryo imaging for improving reproductive outcomes: a systematic review and meta-analysis
C.O. Nastri (Brazil) OP33.05
- Accuracy of early ultrasound in the diagnosis of ectopic pregnancy in the absence of an extrauterine embryo: a systematic review and meta-analysis
A. Richardson (United Kingdom) OP33.06
- Ultrasound guidance during embryo transfer: systematic review and meta-analysis
C.O. Nastri (Brazil) OP33.06

OP34: Fetal interventions

Room 114 + 115

Chairs: Y. Ville (France); M. Bebbington (United States)

- Fetal aortic valvuloplasty: investigating institutional bias in multicenter contributions to studies
H. Gardiner (United States) OP34.01
- Sonographically-proven Caesarean scar pregnancies (CSP) can result in a live offspring and morbidly adherent placenta (MAP)
I.E. Timor-Tritsch (United States) OP34.02

OP - Wednesday 17 September 2014

- Influence of intra-thoracic organ position and volume on fetal imaging in congenital diaphragmatic hernia on rates of reflux post-natally
J. Deprest (Belgium) OP34.03
- Lung mass regression sequence after percutaneous intrafetal laser ablation of the feeding artery in fetuses with bronchopulmonary sequestration and hydrops
R. Cruz-Martinez (Mexico) OP34.04
- Outcomes of 51 cases of twin reversed arterial perfusion sequence: a single centre experience
R. Sugibayashi (Japan) OP34.05
- Development of survival rates after intrauterine laser therapy for severe twin-twin transfusion syndrome in a series of 851 consecutive cases
W. Diehl (Germany) OP34.06
- The role of echocardiography in the intraoperative management of the fetus undergoing myelomeningocele repair
J. Rychik (United States) OP34.07
- Early results of a new fetoscopic technique for the correction of spina bifida beyond 26 weeks of gestation: can we move the upper limit for the surgery?
D.A. Pedreira (Brazil) OP34.08
- Severe maternal complications after fetoscopic surgery
R. Yamamoto (Spain) OP34.09
- Impact of fetal endoscopic tracheal occlusion for severe congenital diaphragmatic hernia in a developing country
R. Cruz-Martinez (Mexico) OP34.10
- A controlled study on subsequent fertility, pregnancy and gynecological outcomes after fetal surgery for isolated congenital diaphragmatic hernia (CDH)
J. Deprest (Belgium) OP34.11

OP35: Chromosomal abnormalities: from borderline findings to invasive testing

Room 116 + 117

Chairs: G. Yeo (Singapore); N. Maiz (Spain)

- Perinatal outcomes for fetal echogenic bowel both isolated and combined with soft markers: case series and literature review
D. Dutta (United Kingdom) OP35.01
- Ultrasonographic fetal soft markers in a low-risk population: prevalence with trisomies and invasive tests
P. Lindgren (Sweden) OP35.02
- Information, informational request, documentation and handling on soft markers in Sweden
C. Ingvaldstad (Sweden) OP35.03 & OP35.04
- Influence of first trimester screening on the prenatal detection of structural malformations in euploid fetuses
M. Ponnath (Germany) OP35.05
- Isolated fetal mild pyelectasis ultrasound follow-up
A. Ratiu (Romania) OP35.06
- Isolated idiopathic polyhydramnios: to karyotype or not?
M. Ben-Ami (Israel) OP35.07
- Conflicting umbilical artery Doppler findings in fetuses with Trisomy 21
A. Geipel (Germany) OP35.08
- Risk of miscarriage following amniocentesis and chorionic villus sampling: a systematic review and meta-analysis
F. D'Antonio (United Kingdom) OP35.09
- What do pregnant couples want? The preferences of pregnant couples at increased risk for Down's syndrome who are offered a choice in prenatal diagnosis between the clinical outcomes of 5 Mb and 0.5 Mb whole genome SNP array analysis
M. Knapen (Netherlands) OP35.10
- Array analysis in prenatally detected hypoplastic left heart syndrome and left outflow tract anomalies
F. Jansen (Netherlands) OP35.11
- Prenatal ultrasound and diseases assessed by expanded carrier screening: incidence and summary of findings
G.A. Lazarin (United States) OP35.12

Regional opportunities

ISUOG supports quality education in all regions of the world

Trainee program

ISUOG offers two years FREE online membership to trainees specialising in ultrasound for obstetrics and gynecology, offered in partnership with registering bodies or organisations. Currently we have 1594 registered from across 37 countries. Ask your national society / institution to sign up.



Ambassador program

ISUOG's Ambassador program aims to support membership growth in key regions and to ensure that educational opportunities are available to professionals in all corners of the world.

Translated guidelines

Our recent practice guidelines are now available in Chinese and Spanish. More translations coming soon!



Approved course program

In 2014, ISUOG supported 37 approved courses in 26 countries across the world. These are independently organised education courses in ultrasound for obstetrics and gynecology meeting certain quality criteria and delivered by local speakers, to local audiences. ISUOG offers all Approved course organisers the option to access ISUOG membership for all non ISUOG members to support sustained education in these regions.



Electronic posters at a glance

Electronic posters (P) are available for viewing throughout the Congress on the ISUOG On Demand terminals located in the ISUOG Lounge in the exhibition hall. You can also send questions or comments to authors using our integrated e-mail facility. Electronic posters are subject categorised in the following pages.

Poster sessions			
P01	First trimester screening and ultrasound	P17	Ultrasound in labour at term
P02	First trimester: case series and reports	P18	Multiple pregnancy I
P03	CNS I: midline, ventricular system and posterior fossa	P19	Multiple pregnancy II
P04	CNS II: case reports and reviews	P20	Fetal interventions I
P05	CNS III	P21	Fetal interventions II
P06	Congenital heart defects and cardiac function I	P22	New imaging technologies I
P07	Congenital heart defects and cardiac function II	P23	New imaging technologies II
P08	Congenital heart defects including case reports I	P24	New imaging technologies III
P09	Congenital heart defects including case reports II	P25	Caesarean scars and other quality and safety issues
P10	Second trimester ultrasound	P26	Early pregnancy complications
P11	Case reports: fetal anatomy I	P27	Ovarian masses
P12	Case reports: fetal anatomy II	P28	Pelvic pain and endometriosis
P13	Normal and abnormal growth	P29	Reproductive medicine
P14	Placental insufficiency	P30	Abnormal bleeding
P15	Third trimester and fetal surveillance	P31	Ultrasound in oncology
P16	Preterm labour	P32	Urogynecology

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ISUOG Education 2015



Fetal anomalies: head and heart

Julene Carvalho (UK)
Gustavo Malinger (Israel)

23 - 24 January 2014
London, UK

Our annual Intensive Course on fetal anomalies is dedicated to fetal cardiology and the diagnosis of congenital CNS anomalies. At the end of the two day program delegates should have a broad understanding of the advanced assessment of craniofacial and cardiac anomalies as well as insight into more challenging diagnoses. The course focuses on interactive approaches to learning with pathological specimens of the fetal heart compared to ultrasound findings, interactive video quizzes, and different etiologies and diagnostic approaches presented through the discussion of difficult cases.

Discounts available for ISUOG members
CME credits will be available

About ISUOG Education

ISUOG delivers quality education courses across Europe and Australasia in Ultrasound in Obstetrics and Gynecology, providing up to date research and clinical guidance for a range of topics and professional levels. Our courses are dynamic, interactive and provide delegates with practical tips as well as excellent networking opportunities.

Our previous obstetric course delegates said:

'Very interactive and lots of scan pictures, I found it really useful'

'Very inspiring course'

'Good, extensive course'

Register online at
isuog.org/events

Electronic poster stations

P01: First trimester screening and ultrasound

- Fetuses with increased nuchal translucency $\geq 3,5$ mm: what are the fetal outcomes? P01.01
T. Quibel (France)
- Detection and outcome of ductus venosus agenesis cases in prenatal sequential screening P01.02
D.G. Iliescu (Romania)
- Women and partners coming for a first trimester combined (CUB) test; why they choose it, how are they informed, knowledge about Down's syndrome and their plans if Down's syndrome is diagnosed P01.03
C. Ingvaldstad (Sweden)
- When you see nothing at all: validity of multiplanar reconstruction of the retranasal triangle view in viable & non-viable dystrophic fetuses in late 1st and early 2nd trimester P01.04
J. Weichert (Germany)
- Preliminary experience of non-invasive prenatal testing with cell-free DNA for aneuploidies in a clinical setting P01.05
C. Comas (Spain)
- Fetal face in the first trimester: feasibility, reproducibility and normal ranges of the PNT, MNM angle, PL-distance, PNT/NBL-ratio and PFSR P01.06
C.M. Bilardo (Netherlands)
- Fetal nuchal translucency at first trimester as a predictor of monogenic neuromuscular disease in high risk couples P01.07
J. Parra (Spain)
- Risk factors associated to fetal loss after chorionic villus sampling P01.08
F. Bellussi (Italy)
- Procedure related risks of chorionic villus sampling and amniocentesis in the Netherlands: a cohort study P01.09
C.M. Bilardo (Netherlands)
- Effect of training on feasibility of early morphology evaluation at 11-13+6 weeks of gestation P01.10
M. Bellotti (Italy)
- The distribution of nuchal translucency in unaffected pregnancies: a mixture model revisited P01.11
M. Hynek (Czech Republic)
- Congenital absence of salivary glands in fetuses with Trisomy 21 P01.12
M. Odeh (Israel)
- Detection of single umbilical artery in first trimester ultrasound: its value as a marker of fetal malformation P01.13
Y. Nieto Jimenez (Spain)
- A retrospective review of the performance of antenatal screening scans in detecting non-chromosomal abnormalities in singleton pregnancies P01.14
D.T. Tan (Singapore)
- Ultrasonographic parameters for prediction of early miscarriage: the role of three-dimensional volume measurement P01.15
J.E. Kwon (Republic of Korea)
- Non-invasive prenatal testing experience in a clinical laboratory: rate of aneuploidy in fetuses with an increased nuchal translucency of ≥ 3.5 mm P01.16
L. Fosler (United States)
- Role of laboratory markers and ultrasound parameters in prediction of preterm delivery P01.17
M. Bogavac (Serbia)
- A decade of NT based clinical outcome of ultrasonographic fetal screening P01.18
R.N. Ergin (Turkey)
- Pregnancy outcome with increased nuchal translucency in first trimester scan P01.19
D. Bandyopadhyay (United Kingdom)
- Genetic testing strategy for rapid and in depth prenatal diagnosis in high risk pregnancies: our experience P01.20
A. Veduta (Romania)

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Electronic poster stations

- Evaluation of different methods of first trimester ultrasound. A pilot study: interpretation of 2D versus 3D ultrasound
S. Sharma (Canada) P01.21
- Absent ductus venosus: prenatal diagnosis, pregnancy outcomes and postnatal development
Y. Nieto Jimenez (Spain) P01.22
- The palato-occipital angle is increased in Down's syndrome foetuses in the first trimester
D. Paladini (Italy) P01.23
- Increased NT – To scan or to karyotype?
Y. Zalel (Israel) P01.24
- P02: First trimester: case series and reports**
- Umbilical cord cysts in first trimester pregnancy
B. Roxana (Romania) P02.01
- Does it affect previous experience in learning the sonographic determination of fetal gender in the first trimester?
C. Martínez-Payo (Spain) P02.02
- Defining nasal bone in the first and second trimester foetuses
S.M. Lee (Singapore) P02.03
- Intra- and inter-operator concordance of quality coding of nuchal translucency with Herman's score
O. Morel (France) P02.04
- Outcome of fetal diagnosis of megacystis
F. Fontanella (Netherlands) P02.05
- First-trimester combined screening for trisomy 21 in women with renal disease
L.J. Salomon (France) P02.06
- Adverse perinatal outcome in fetuses with normal nuchal translucency
M. Theodora (Greece) P02.07
- Aneuploidy and fetal anomalies: first trimester
M. Riera Blasco (Spain) P02.08
- To screen fetal major abnormalities early by sequential planes NT ultrasound at 12+3-13+6 week
W. Song (China) P02.09
- Did the aneuploidies' screening tests results have any impact on the decision of pregnant women to undergo amniocentesis after the age of 35 years old
M. Theodora (Greece) P02.10
- Experience with transcervical chorionic villus sampling in a single second level care hospital
L. Acin Vinyeta (Spain) P02.11
- Prenatal ultrasound diagnosis of Meckel-gruber syndrome in 11-13+6 gestational weeks
L. Wang (China) P02.12
- Transcervical chorionic villous sampling: experience in a private center in Spain
T. Illescas (Spain) P02.13
- Clinical implications of prenatal diagnosis of umbilical cord cysts
C. Martínez-Payo (Spain) P02.14
- Body stalk anomaly in monoamniotic twins at 9 weeks
F. Prefumo (Italy) P02.15
- Cause of fetal demise in first trimester parvovirus fetal infection: anemia or myocarditis?
S. Benedetti (France) P02.16
- Aneurysmatic umbilical vein: case report
R.S. Martins (Portugal) P02.17
- Iniencephaly: case report
R.S. Martins (Portugal) P02.18
- Prenatal diagnosis of Trisomy 21: we show a rare case of fetoplacental discrepancy
J. Christ (Germany) P02.19
- A variant case of 6p 24 deletion syndrome
R.N. Ergin (Turkey) P02.20

Electronic poster stations

- Ultrasound diagnosis and management of body stalk anomaly at 10 weeks of gestation: a case report
L. Ples (Romania) P02.21
- Retrospective analysis of false-negative cases of Down's syndrome, caught up in the group of medium and low risk according to the results of the I trimester prenatal screening on FMF algorithm in the Republic of Tatarstan, Russian Federation
L. Teregulova (Russian Federation) P02.22
- Spinal muscular atrophy and increased nuchal translucency: a case report
L.C. Bussamra (Brazil) P02.23
- Cloacal exstrophy: images during first trimester of pregnancy
C. Martínez-Payo (Spain) P02.24
- Ductus venosus agenesis with extrahepatic shunt at rutin 11-14 week by 3D/4D ultrasound scan
A. Azanjac (Serbia) P02.25
- Bidirectional flow in the great arteries in early echocardiography
J. Cortejoso (Spain) P02.26
- Prenatal diagnosis of tetraploidy in a 13-week fetus with onphalocele and normal nuchal translucency
L.C. Bussamra (Brazil) P02.27
- P03: CNS I: midline, ventricular system and posterior fossa**
- Measurement of the corpus callosum using the trace mode: normal values between 20 to 40 weeks
M. Odeh (Israel) P03.01
- Pericallosal artery in different corpus callosum pathologies
S. Pashaj (Albania) P03.02
- Assessment of the fetal corpus callosum in mid-sagittal section by three dimension ultrasound
H. Lu (China) P03.03
- Prenatal diagnosis of isolated agenesis of corpus callosum by direct visualisation with ultrasonography; results at a tertiary centre in Turkey
H. Pala (Turkey) P03.04
- Sonographic evaluation of the developing pericallosal circulation between 11 and 22 weeks of gestation
B. De Keersmaecker (Belgium) P03.05
- Accuracy of fetal ultrasound in diagnosing ventriculomegaly
R. Snoek (Netherlands) P03.06
- Discrepancies in antenatal and postmortem diagnosis of ventriculomegaly: why is the prenatal diagnosis not confirmed?
D. Pugash (Canada) P03.07
- The influence of gender on fetal ventricular size: a 3D ultrasonographic study
F. Correa (Spain) P03.08
- Feasibility of measuring global fetal ventricular size by using 3D ultrasound
F. Correa (Spain) P03.09
- Volume measurement of the cavum septum pellucidum: normal values between 20 and 40 weeks of gestation
M. Odeh (Israel) P03.10
- Categorization of cerebral malformations according to abnormal anterior and posterior complex findings
V. Fernando (Chile) P03.11
- Fetal cerebellar anteroposterior vermian diameter as an additional measurement in posterior fossa anomalies
M. Sanz-Cortes (Spain) P03.12
- Biometric assessment of the fetal cerebellum vermis in the second trimester using 3D ultrasonography
F.M. Moretti (Canada) P03.13
- Abstract withdrawn
Abstract withdrawn P03.14
- Towards improved ultrasound based analysis and 3D visualisation of the fetal brain using 3DSlicer
R. Oyama (Japan) P03.15

Electronic poster stations

- Development of the fetal vermis: new biometry reference data and comparison of three diagnostic modalities: 3D, 2D ultrasound and magnetic resonance imaging
E. Katorza (Israel) P03.16
- Evaluation of enlarged intracranial translucency in the detection of Dandy-Walker syndrome with ultrasonographic scan during the first-trimester
X. Lin (China) P03.17
- P04: CNS II : case reports and reviews**
- Perinatal outcome of fetal supratentorial intracranial cysts: a systematic review and meta-analysis
A. Youssef (Italy) P04.01
- Case report: cerebral venous angioma presenting in utero as a unilateral periventricular hyperechogenic lesion
Z. Leibovitz (Israel) P04.02
- Case report: primary Möbius sequence – early prenatal diagnosis and neurosonographic findings of a rare congenital cranial dysinnervation disorder
Z. Leibovitz (Israel) P04.03
- A case of prenatally-diagnosed fetal intracranial hemorrhagia secondary to maternal autoimmune thrombocytopenic purpura
M.S. Kutuk (Turkey) P04.04
- Cardiomegaly as a prompt in diagnosing vein of Galen malformation
S. Vallabhaneni (India) P04.05
- Congenital Rubella syndrome with periventricular leukomalacia and hydrocephalus associated with very good long term outcome
Y. Bulbul Baytur (Turkey) P04.06
- A case of Dandy-Walker malformation in which measurement of the brain-vermis angle at the 14th week of gestation was useful for diagnosis
K. Ichizuka (Japan) P04.07
- Cariomegaly as a prompt in diagnosing vein of Galen malformation
S. Vallabhaneni (India) P04.08
- Prenatal diagnosis of a congenital gliosarcoma (spindle cell glioblastoma)
S. Tuburan (United States) P04.09
- Miller-Dieker syndrome
J. Delgado Gutiérrez (Colombia) P04.10
- Prenatal diagnosis of tethered spinal cord associated with sacrococcygeal teratoma: a case report
T. Sarac Sivrikoz (Turkey) P04.11
- Split notocord syndrome associated with neuroenteric fistula
Y. Dogan (Turkey) P04.12
- Agenesis of the cavum septum pellucidum in the third trimester of pregnancy
I. Pelayo (Spain) P04.13
- Embryonic diagnosis of encephalocele: a case report
S. Ramakrishnan (India) P04.14
- Craniosynostosis in the third trimester of pregnancy
I. Pelayo (Spain) P04.15
- The role of prenatal magnetic resonance on sonographically-confirmed central nervous abnormalities
F.G. Varol (Turkey) P04.16
- Destruction of the corpus callosum in the surviving fetus after death of the other fetus sharing the same chorion: two case reports
C.T. Hsieh (Taiwan) P04.17
- The use of surface rendering in the prenatal diagnosis of Saethre-Chotzen syndrome
B.J. Mein (Australia) P04.18
- Nongalenic pial arteriovenous fistula: prenatal diagnosis
C. Martínez-Payo (Spain) P04.19

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- Prenatal diagnosis and postnatal outcome of severe microcephaly associated to isolated lissencephaly
C.L. Drummond (Brazil) P04.20
- Artifacts on fetal cranial ultrasonography: a case report
M. Lee (Republic of Korea) P04.21
- Case report: diagnosis of 3 cases of anencephaly/exencephaly at 8–10 weeks
T.M. Helfer (Brazil) P04.22
- P05: CNS III**
- Is fetal motility affected by maternal accidents?
B. van der Knoop (Netherlands) P05.01
- Second trimester evaluation of fetal brain anatomy by three-dimensional ultrasound
E. Pavlova (Bulgaria) P05.02
- Prenatal diagnosis of neurologic clastic lesions: a retrospective study on a ten-year period
O. Morel (France) P05.03
- Ultrasound measurement of nasal bone length, nasal depression and fronto-nasal angle “fetal nasal bone profile” in normal pregnancy
M.A. Abdel-Naby (Egypt) P05.04
- Assessment of the antero-posterior dimensions of the fetal eye by 3D-MPR sonographic imaging in the in the axial trans-orbital plane
Z. Leibovitz (Israel) P05.05
- Brain stem/brain stem occipital bone ratio and four-lines view in fetal nuchal translucency images assesment in fetuses with open spina bifida
A. Luculano (Italy) P05.06
- Diagnostics of fetal central nervous system pathology in time of the first trimester prenatal screening by FMF algorithm
L. Teregulova (Russian Federation) P05.07
- Anencephaly before and after a law change in Brazil
T.M. Helfer (Brazil) P05.08
- Normal echography of fetal cerebral vessels using 3D/4D colour Doppler mapping
S. Voevodin (Russian Federation) P05.09
- Prenatal ultrasound assessment of Sylvian fissure between 18 and 28 weeks of gestation
O. Kozlova (Russian Federation) P05.10
- Prenatal diagnosis of complete cerebellar agenesis
M. Medvedev (Russian Federation) P05.11
- Diagnosis of fetal structural abnormalities at the 11–14 week scan in a tertiary Fetal Medicine Unit
L.C. Bussamra (Brazil) P05.12
- Utility of fetal MRI for workup of fetal central nervous system (CNS) anomalies in an Australian MFM cohort
A. Henry (Australia) P05.13
- Cyst of the cavum veli interpositi in the fetus: anatomic variant not pathology
A. Kennedy (United States) P05.14
- Massive fetal subdural hemorrhage presented with elevated middle cerebral artery flow velocity and reverse end-diastolic flow
M.S. Kutuk (Turkey) P05.15
- Family case of holoprosencephaly
I. Vlasinova (Czech Republic) P05.16
- Unusual cerebellar malformations: two cases of Friede syndrome and review of the literature
B. De Keersmaecker (Belgium) P05.17
- Prenatal diagnosis and postnatal endovascular embolisation of Vein of Galen malformation: 4 case reports
R. El-Said (Egypt) P05.18
- Dural sinus malformation and giant lake with partial thrombosis at mid-gestation
B. De Keersmaecker (Belgium) P05.19

Electronic poster stations

P06: Congenital heart defects and cardiac function I

- Factors improving the feasibility of the routine transabdominal fetal echocardiography at 11 to 13+6-weeks' gestation P06.01
D. Nemescu (Romania)
- The first early diagnosis of an atrioventricular canal made in Equatorial Guinea, Africa by nuchal translucency P06.02
J.J. Jaramillo (Equatorial Guinea)
- Reference ranges for papillary muscle areas of the fetal heart atrioventricular valves by three-dimensional ultrasonography P06.03
L.C. Rolo (Brazil)
- A quantitative study of left ventricular and right ventricular function in the normal fetuses by atrioventricular annular displacement P06.04
B.W. Zhao (China)
- Reference ranges of fetal heart biometric parameters by two-dimensional ultrasound: preliminary results P06.05
L.C. Rolo (Brazil)
- Reference ranges of fetal cardiac connections parameters by two-dimensional ultrasound: preliminary results P06.06
L.C. Rolo (Brazil)
- Reference range of fetal intraventricular volume by three-dimensional ultrasound using spatio-temporal image correlation and virtual organ computer-aided analysis P06.07
L.C. Rolo (Brazil)
- Doppler tissue imaging (DTI) derived Tei index and mitral/tricuspid annular displacement(MAD/TAD) combining with other multiple fetal echocardiographic indices for evaluation of fetal cardiac function in women with gestational diabetes mellitus (GDM) P06.08
B.W. Zhao (China)
- Relationship between nuchal translucency thickness and congenital heart defects P06.09
M. Adiego (Spain)
- Evaluation of the ratio of the right fractional shortening to the left as a fetal cardiac function parameter P06.10
J.H. Lee (Republic of Korea)
- The association of congenital cardiac defects with aneuploidy, extra-cardiac defects and obstetric outcomes: a prospective study P06.11
F. Mone (Republic of Ireland)
- Increased nuchal translucency and congenital heart defects in a cohort study P06.12
Y. Nieto (Spain)
- Evaluation for clinical effectiveness of the first trimester fetal heart screening in Korean setting P06.13
M. Park (Republic of Korea)
- Referral for a detailed fetal cardiac examination > 24 weeks of gestation: an evaluation of referral indications and implications P06.14
E. Mlczoch (United Kingdom)
- Outcomes and issues related to the introduction of a screening system for severe heart disease P06.15
K. Imamura (Japan)
- Deviation of the cardiac axis in fetuses with congenital heart disease P06.16
A. Tenzer (Germany)
- Evaluation of cardiac function in fetuses with left ventricular outflow tract (LVOT) obstruction using tissue Doppler techniques P06.17
C. Enzensberger (Germany)
- Two dimensional speckle-tracking echocardiography in fetuses in situation of intrauterine growth restriction – changes in left and right ventricular strain mechanics P06.18
L. Gitz (France)
- What we have achieved in fetal cardiac screening in last 2 decades and future P06.19
M. Kawataki (Japan)

Electronic poster stations

- Feasibility and limitations of the use of STIC to obtain the necessary views for a satisfactory congenital heart defects screening program P06.20
J. Novaes (Brazil)
- Extra cardiac malformations associated with hypoplastic left and right ventricle P06.21
A.W. Kneitel (United States)
- Fetal cardiac function at term: evidence of impaired performance P06.22
O. Patey (United Kingdom)
- P07: Congenital heart defects and cardiac function II**
- Viewing rate and reproducibility for papillary muscle areas of the atrioventricular valves by three-dimensional ultrasound in fetuses with congenital heart diseases P07.01
L.C. Rolo (Brazil)
- Prenatal diagnosis of coarctation of the aorta using the three-vessel view by calculating the ratio of the diameter of the aortic root to that of the pulmonary artery P07.02
Y. Mukai (Japan)
- Prenatal presumptive diagnosis of fetal tuberous sclerosis complex by fetal heart tumor and family history P07.03
K. Yamashita (Japan)
- Prenatal treatment of fetal atrial flutter: when to stop medication? Report of two cases P07.04
H. Park (Republic of Korea)
- A retrospective study of four cases of total anomalous pulmonary venous drainage that could not be diagnosed prenatally P07.05
N. Kanagawa (Japan)
- Perinatal outcome after prenatal diagnosis of Ebstein's anomaly P07.06
G. Jalencas (Spain)
- The role of left innominate vein in prenatal detection of fetal persistent left superior vena cava P07.07
J. Yang (China)
- Atrioventricular septal defect in fetal life. Ultrasound diagnostic features, associations, outcome and pathology in a single center series P07.08
S. Tudorache (Romania)
- Prenatal diagnosis implications and perinatal outcome of fetuses with persistent left superior vena cava (PLSVC) P07.09
C. Martínez-Payo (Spain)
- Fetal heart navigator (FHN): a novel method to get key diagnostic fetal echocardiographic views and initial application in diagnosis of fetal conotruncal heart defects P07.10
B.W. Zhao (China)
- Concordance of fetal aortic arch diameter measured by intelligent spatiotemporal image correlation (iSTIC) and 2-dimensional fetal echocardiography (2DFE) P07.11
B.W. Zhao (China)
- Atrial volume tracking (AVT): a novel echocardiographic technique to evaluate fetal atrial volume and function P07.12
B.W. Zhao (China)
- Contributions of fetal gestation, estimated weight and heart rate to myocardial performance index (MPI) variation P07.13
A. Henry (Australia)
- A novel technique for measuring the fetal right modified myocardial performance index using dual gate pulsed wave Doppler P07.14
M. Lee (Republic of Korea)
- Dynamics of pulmonary venous flow in fetuses with intrauterine growth restriction P07.15
P. Zielinsky (Brazil)
- Echocardiographic evaluation of pressure gradient between right and left ventricles in fetuses with isolated ventricular septal defect P07.16
T. Kaji (Japan)
- Evaluation of right ventricular function in fetuses with hypoplastic left heart (HLH) using tissue Doppler techniques P07.17
C. Enzensberger (Germany)

Electronic poster stations

- A sensitive marker for the detection of total anomalous pulmonary venous drainage in fetus
K. Yoshikoshi (Japan) P07.18
- Early mortality and morbidity of isolated total anomalous pulmonary venous connection: comparison of prenatally and postnatally diagnosed cases
K. Lee (Republic of Korea) P07.19
- Peri-operative changes in fetal cardiac function with fetoscopic laser ablation of placental anastomoses in twin-to-twin transfusion syndrome
O. Patey (United Kingdom) P07.20
- P08: Congenital heart defects including case reports I**
- Interobserver variability in volumetric assessment of maxilla-mandibular-nasion complex integrity
D.R. Hartge (Germany) P08.01
- Standardisation of the lung-to-head ratio in the prediction of prognosis in isolated congenital diaphragmatic hernia: a single centre experience
L.S. Britto (Brazil) P08.02
- Fetal orbital anterior posterior diameter: normal values during pregnancy
N. Feldman Leidner (Israel) P08.03
- Retrospective analysis of fetal anterior abdominal wall defects at a tertiary center in Turkey
B. Artunc Ulkumen (Turkey) P08.04
- Detailed second trimester ultrasound examination in low-risk pregnancies: a tertiary centre experience
A. Tazegül Pekin (Turkey) P08.05
- Fetal renal to abdominal ratio a constant measurement throughout gestation
R. Nagar (Israel) P08.06
- Correlation of perinatal outcomes and two hydronephrosis grading system: The Society for Foetal Urology grading system vs. Onen grading system
J.H. Lee (Republic of Korea) P08.07
- Correlation of prenatal renal parenchymal thickness with postnatal outcome of severe fetal hydronephrosis
H. Cho (Republic of Korea) P08.08
- The relationship of pregnancy outcomes and isolated minor markers detected in the second trimester ultrasound examination in low-and high-risk pregnancies
A. Tazegül Pekin (Turkey) P08.09
- Skeletal malformations: ultrasound diagnosis, genetic testing and dysmorphology exam
E. Antolin (Spain) P08.10
- Nostril morphology in the second and third trimester of pregnancy
E. de Jong-Pleij (Netherlands) P08.11
- A longitudinal study of two-dimensional ultrasonographic lung measurements in healthy fetuses
L.S. Britto (Brazil) P08.12
- Longitudinal assessment of two-dimensional ultrasonographic lung measurements in fetuses with isolated left-sided congenital diaphragmatic hernia
R. Ruano (United States) P08.13
- Down's syndrome prenatal diagnosis: sonographic features, biochemical markers and pregnancy outcome
Y. Nieto Jimenez (Spain) P08.14
- Experience with amniocentesis in a single second level care hospital
M. Arigita (Spain) P08.15
- The Levaillant view: a new prenatal ultrasound plan for screening orofacial cleft
J. Levaillant (France) P08.16
- Incorporation of sonographers at the performance of ultrasound screening for fetal structural abnormalities in our fetal medicine unit
M. Bennasar (Spain) P08.17
- The study of the floating omental image in meconium peritonitis
T. Minamitani (Japan) P08.18

Electronic poster stations

- P09: Congenital heart defects including case reports II**
- Prenatal cases of left pulmonary artery sling: a report of three cases
Y. Ishii (Japan) P09.01
- Comparison of neonatal outcomes with congenital heart diseases according to the place at birth
H. Cha (Republic of Korea) P09.02
- A bided intraabdominal umbilical vein
D.C. Wood (United States) P09.03
- Prenatal diagnosis of an idiopathic enlarged right atrium
M. Del Rio (Spain) P09.04
- Situs inversus totals with transposition, ventricular septal defect and pulmonary atresia in a twin
D.C. Wood (United States) P09.05
- Prenatal diagnosis of Ebstein's anomaly using STIC (spatio-temporal image correlation)
L.C. Bussamra (Brazil) P09.06
- Agnesis of the right superior vena cava (SVC) with dilated coronary sinus (CS)
D.C. Wood (United States) P09.07
- Non-compacted left myocardium in fetal Ebsteins anomaly, an uncommon association
L. Guirado (Spain) P09.08
- HeBee: a new fetal heart model to learn fetal cardiac echography
B. Stos (France) P09.09
- Prevalence of aneuploidy and invasive prenatal diagnosis in pregnancies complicated by hypoplastic left and right ventricle
A.W. Kneitel (United States) P09.10
- Tetralogy of Fallot prenatal ultrasound and autopsy correlations
S. Tudorache (Romania) P09.11
- Anacrotic notch in the aortic isthmus flow waveforms of fetuses with aortic anomalies: pulsus tardus of the fetus?
J.C. Fouron (Canada) P09.12
- Abstract withdrawn* P09.13
- Sonographic characteristics of the atrial septum in fetuses with d-transposition of the great arteries needing emergency neonatal balloon atrioseptostomy
D. Paladini (Italy) P09.14
- Fetal heart at 11-13 weeks; looking back at 2013
A. Comanescu (Romania) P09.15
- Fetal ductus arteriosus constriction caused by maternal polyphenol rich diet: case report
E. Litwinka (Poland) P09.16
- Fetal aortic Z-scores and the diagnosis of the coarctation in the last trimester of pregnancy
C. Marginean (Romania) P09.17
- Experience with early fetal cardiovascular imaging at less than 15 weeks gestation in a high-risk population
Z. Tian (United States) P09.18
- P10: Second trimester ultrasound**
- Prenatal ultrasonographic markers for predicting postnatal outcome of meconium peritonitis
H. Won (Republic of Korea) P10.01
- Fetal absent ductus venosus associated with portosystemic shunts
R. Rodriguez (Spain) P10.02
- Valuation of the prenatal sonographic clubfoot classification system including the plantar and the ankle shape
H. Lu (China) P10.03
- Evaluation of the accuracy of prenatal ultrasound assessment of facial clefts
W.W. To (Hong Kong) P10.04
- A contribution of SNP array in prenatal diagnosis in 2010-2013
S. Brezinova (Czech Republic) P10.05
- Prenatal and postnatal findings of fetal face and neck anomalies
J. Cho (Republic of Korea) P10.06

Electronic poster stations

- Evaluation of the value of equals sign in assessment of facial clefts
W.W. To (Hong Kong) P10.07
- The clinical study for fetal lymphangioma diagnosed after second trimester
M. Sumie (Japan) P10.08
- Persistent right umbilical vein. Descriptive study and association with fetal prematurity
C. Martínez-Payo (Spain) P10.09
- Nonimmune hydrops fetalis: diagnosis and management
O. Malmberg (Russian Federation) P10.10
- Postnatal outcomes of fetuses with the prenatal diagnosis of gastroschisis in a reference service in Brazil
L.C. Rolo (Brazil) P10.11
- Relationship between right lung area to chest size ratio and left lung area to chest size ratio in normal fetuses by three-dimensional ultrasound using the multiplanar method
L.C. Bussamra (Brazil) P10.12
- 5 years follow-up of fetal urinary tract malformation at UNIFESP
L.C. Rolo (Brazil) P10.13
- Single umbilical artery as a result of the secondary transient atrophy
K. Yusupov (Russian Federation) P10.14
- MRI and ultrasound fusion imaging (MUFi) for fetal and placental pathologies
J. Levaillant (France) P10.15
- Exploring the value of ultrasonic detection of fetal nasal bone in fetal abnormalities
Z. Han (China) P10.16
- Retrospective analysis of fetal malformation through prenatal ultrasonic screening
Z. Han (China) P10.17
- The role of colour Doppler in the evaluation of inconclusive findings
N. Vecek (Croatia) P10.18
- The application of 3D multislice ultrasound in detection of facial clefts from 12–18th week of pregnancy
A. Jurisic (Serbia) P10.19
- P11: Case reports: fetal anatomy I**
- Prenatal diagnosis of dacryocystocele by 2D, 4D and MRI
A. Novakov Mikic (Serbia) P11.01
- Prenatal diagnosis of metastatic neuroblastoma
J.L. Byrne (United States) P11.02
- Human tail: a four cases series
S. Wavrant (Canada) P11.03
- Two cases of prenatal diagnosis of cystic rectal duplication
C. Colmant (France) P11.04
- Unilateral microphthalmia, a common finding in three cases of CHARGE syndrome
L.C. Ferreira (Portugal) P11.05
- Prenatally detected rare case of the fetal facial rhabdomyosarcoma
R. Gerychova (Czech Republic) P11.06
- A case of Timothy syndrome prenatally diagnosed with fetal ECG and 4D ultrasonography
M. Tanaka (Japan) P11.07
- Gastroschisis with associated bladder herniation: an antenatal presentation of a rare complication
V.H. Kuret (Canada) P11.08
- A case of unilateral Tessier number 4 facial cleft with cardiac malformation
S. Wavrant (Canada) P11.09
- Feasibility of using prenatal ultrasonography for diagnosing congenital prtosystemic shunt
S.M. Lee (Republic of Korea.) P11.10
- Prenatal diagnosis of fibular aplasia, tibial campomelia and oligosyndactyly (FACTO) syndrome
M.T. Ozgun (Turkey) P11.11

Electronic poster stations

- 3-M Syndrome: the role of 2D/3D ultrasound for prenatal diagnosis
A. Vimercati (Italy) P11.12
- The prenatal diagnosis of sacral agenesis with fetal akinesia deformation sequence in the lower extremities
B. Artunc Ulkumen (Turkey) P11.13
- 2 consecutive cases of Fraser syndrome: ultrasound findings
S. Wavrant (Canada) P11.14
- Prenatal diagnosis of volvulus and jejeunoilial atresia in a fetus with cystic fibrosis carrying M470V homozygous polymorphism
M.S. Kutuk (Turkey) P11.15
- Retroperitoneal lymphatic malformation: a case report from a tertiary center in Belgium
M. Condorelli (Belgium) P11.16
- Prenatal diagnosis of ring chromosome 18
S. Al Nasiry (Netherlands) P11.17
- Prenatal finding in an infant with Matthew-Wood syndrome
S. Janiga (Poland) P11.18
- Closing gastroschisis: a case report with unusual antenatal ascites and literature review
F. Audibert (Canada) P11.19
- An unusual finding in the fetal abdomen: triple bubble sign
F. Bellussi (Italy) P11.20
- P12: Case reports: fetal anatomy II**
- Fetal mesenteric cyst: a case report
A.V. Carmo (Brazil) P12.01
- Early prenatal diagnosis of fetal axillary lymphangioma with ipsilateral pes equinovarus
B. Artunc Ulkumen (Turkey) P12.02
- Diagnosis and management of a rare case of fetal mediastinal teratoma without non-immunological hydrops
A. Youssef (Italy) P12.03
- Fetal imaging prompts maternal diagnosis: autosomal dominant polycystic kidney disease
A.G. Euser (United States) P12.04
- Case report: Williams-Beuren syndrome
A. Lillo Paredes (Spain) P12.05
- Prenatal diagnosis with 2D and 3D ultrasound of oropharyngeal teratoma: epignathus
M. Tsankova (Bulgaria) P12.06
- Usefulness of advanced three-dimensional ultrasound imaging in the prenatal diagnosis of Apert syndrome
K. Lee (Republic of Korea) P12.07
- Unusual ultrasound findings of Prune Belly syndrome
M. Bellotti (Italy) P12.08
- Short-rib polydactyly syndrome type II: a case report
S. Wavrant (Canada) P12.09
- Ultrasound presentation of Pena-Shokeir syndrome type 1: a case report
S. Wavrant (Canada) P12.10
- Discordant VACTERL association in a dichorionic twin pregnancy after insemination
D. Atanassova (Bulgaria) P12.11
- Prenatal diagnosis of Nonne-Milroy lymphedema
J. Cortezoso (Spain) P12.12
- Prenatal presentation and postnatal evolution of a patient with Jansen metaphyseal dysplasia with a novel missense mutation in PTH1R
M. Signorelli (Italy) P12.13
- Fetal alloimmune thrombocytopenia as a possible cause of fetal hydrops
V. Parovic (Serbia) P12.14
- Fetal hydrops with congenital mycobacterium tuberculosis infection
J. Cheon (Republic of Korea) P12.15

Electronic poster stations

- Fetal hemorrhagic ovarian cyst
M. Okumura (Brazil)
Abstract withdrawn
P12.16
- Fetal obstructive uropathy of solitary kidney complicated by urinary ascites
J. Cortejoso (Spain)
P12.18
- Lethal Multiple Pterygium Syndrome: prenatal ultrasonographic and postmortem findings: a case report
L.C. Bussamra (Brazil)
P12.19
- P13: Normal and abnormal growth**
- Hemodynamic pattern of ophthalmic artery in pregnant women with appropriate-for-gestational-age fetuses and fetal growth restriction: Doppler study
T.M. Helfer (Brazil)
P13.01
- ADAM-12 in fetal growth restriction
T.M. Helfer (Brazil)
P13.02
- Correlation among echocardiographic parameters, endothelial damage and lipid profile in twin pregnancies complicated by selective intrauterine growth restriction
E. Cosmi (Italy)
P13.03
- Does genomic microarray add prognostic information in case of the second trimester small-for-gestational age, but structurally normal fetus?
M.C. De Wit (Netherlands)
P13.04
- Longitudinal change of time intervals of ductus venosus in growth restricted fetuses
N. Wada (Japan)
P13.05
- Elevated maternal red cell distribution width is associated with pregnancies complicated by intrauterine growth restriction
C. Shaw (United Kingdom)
P13.06
- Correlation between biochemical anti-angiogenic marker and Doppler study of fetal vessels in pre-eclampsia with or without IUGR
R. El-Said (Egypt)
P13.07
- Should we use the "ellipse" or "two diameters" method to measure fetal head and abdominal circumferences?
A.T. Papageorghiou (United Kingdom)
P13.08
- Characterisation of the sFlt-1/PIGF ratio in growth-restricted fetuses with or without pre-eclampsia
L. Herraiz (Spain)
P13.09
- Sonographic measurement of the diameter and blood volume of umbilical vessels during mid-trimester to predict small-for-gestational age
Y. Kim (Republic of Korea)
P13.10
- Quantification of placental/brain vascular resistance and compliance in IUGR using a computational model of the fetal circulation
F. Crispi (Spain)
P13.11
- Labour induction in late-onset intrauterine growth restriction according to cerebral Doppler and cervical conditions
D. Oros (Spain)
P13.12
- First trimester predictive model of small-for-gestational age newborn without pre-eclampsia
A. Sepúlveda-Martínez (Chile)
P13.13
- Placental insufficiency and plasma fatty acid concentrations in the mother and the fetus
R.M. Nomura (Brazil)
P13.14
- Maternal plasma fatty acid composition in pregnancies complicated by placental insufficiency
R.M. Nomura (Brazil)
P13.15
- Does the prenatal multi vessel Doppler ultrasound and computerized fetal heart tracing in early-onset IUGR predict the neonatal mortality and long-term neurodevelopment?
C. Bamberg (Germany)
P13.16
- The outcome of severe growth-restricted infants at 28 days after birth and prognostic factors
A. Yoshida (Japan)
P13.17

Electronic poster stations

- Small-for-gestational age: a diagnosis challenge
H. Ayuso (Spain)
P13.18
- Management of Intra Uterine Growth Restriction of placental origin before 32 weeks of gestation: a French national survey of current practices
O. Morel (France)
P13.19
- Fetal limb fat and lean volume reference ranges from an optimally healthy population
C.L. Knight (United Kingdom)
P13.20
- Adipocytokines and endothelial dysfunction in intrauterine growth restricted mother-child couple
E. Cosmi (Italy)
P13.21
- Intrauterine growth restriction, cerebellar hematoma and PMD
C. Martínez-Payo (Spain)
P13.22
- Case of Seckel Syndrome: diagnosis and monitoring
I. Ceausu (Romania)
P13.23
- Placental volume and three-dimensional power Doppler analysis in prediction of hypertensive complications of pregnancy and small for gestational age
N. Gonzalez Gonzalez (Spain)
P13.24
- P14: Placental insufficiency**
- A case of essential thrombocytosis in pregnancy: early placental maturity (G3) and HELLP syndrome
B. Walker Labarca (Chile)
P14.01
- Umbilical artery Doppler study and perinatal outcome in patients with hypertension
J.A. Gurgel Alves (Brazil)
P14.02
- Uterine artery Doppler and pre-eclampsia
Y. Nieto (Spain)
P14.03
- Examination of placental vascularisation with 3-dimensional ultrasound technology in pregnant women with hypertension
M. Jakó (Hungary)
P14.04
- Abstract withdrawn
P14.05
- Worst vs mean uterine artery PI in prediction of adverse pregnancy outcome
B. Walker Labarca (Chile)
P14.06
- Blood flow Doppler velocimetry measured during active labour
E. Spiegel (Israel)
P14.07
- Quantification of the utero-placental vascularisation with the 3D Doppler: impact of the machine settings
O. Morel (France)
P14.08
- Evaluation of placental vascularisation (by 3D power Doppler) at 11-14 weeks, and their association with uterine arteries Doppler, PAPP-A, BHCG and PIGF
E. Lopez Quesada (Spain)
P14.09
- Evaluation of PLGF on the first trimester of pregnancy on a Brazilian fetal medicine unit and its correlation to fetal birth weight and time of delivery
C.L. Drummond (Brazil)
P14.10
- Prediction of small-for-gestational age neonates with uterine Doppler and maternal characteristics
Y. Nieto (Spain)
P14.11
- Maternal characteristics, ultrasound- and serum-markers at 11-13+6 weeks in pregnancies without pre-eclampsia resulting small for gestational age neonates
L. Orosz (Hungary)
P14.12
- Examinations of placental 3-dimensional power Doppler indices and perinatal outcome in pregnancies complicated by intrauterine growth restriction
M. Jakó (Hungary)
P14.13
- Clinical application of hospital clinic calculator for pre-eclampsia in our population
Y. Nieto Jimenez (Spain)
P14.14
- Progesterone effect on fetal Doppler velocimetry in in pregnant women with IUGR and preterm labour
S. Borna (Islamic Republic of Iran)
P14.15

Electronic poster stations

- Could high volume of physical activities in early pregnancy could delay or impair deep placentation?
E. Bujold (Canada) P14.16
- Influence of gestational weight gain and prepregnancy body mass index on blood pressure during pregnancy
G. Kozarov (Serbia) P14.17
- The alteration of placental volume and placental mean gray value in growth restricted pregnancies assessed by 3D ultrasound
B. Artunc Ulkumen (Turkey) P14.18
- Relationship between ultrasonographic placental thickness-to-fetal body weight percentile ratio and small-for-gestational age infants at delivery time
K. Ahn (Republic of Korea) P14.19
- Impact of machine settings on 3DPD utero-placental indices in a pregnant sheep model with controlled uterine blood flow
E. Perdrille-Galet (France) P14.20
- Inter-observer agreement of uterine artery Doppler notching in a high-risk population
C. Mayer (Canada) P14.21
- Utero-placental vascularization by 3D power Doppler during first trimester: predictive value for placental vascular disease. A prospective and multicentric cohort study
E. Perdrille-Galet (France) P14.22
- Influence of gestational weight gain and prepregnancy body mass index on fetal growth
T. Marjanovic Milosevic (Serbia) P14.23
- Nomogram of adrenal gland volume using VOCAL in fetuses between 26 to 37 weeks of gestation: preliminary study
T.M. Helfer (Brazil) P14.24
- Relationship between placental thickness and pregnancy outcomes in the third trimester
D. Kwak (Republic of Korea) P14.25
- The 3D power Doppler ultrasound indices and histopathological differences in normal and IUGR pregnancy placentas and umbilical cords
M. Jakó (Hungary) P14.26
- Ethics and ethical evaluation of a proposed clinical trial with maternal uterine artery vascular endothelial growth factor gene therapy to treat severe early-onset fetal growth restriction in pregnant women
M. Sheppard (United Kingdom) P14.27
- A retrospective observational study at a tertiary unit in East London: umbilical artery (UA) absent to reversed end diastolic flow (AREDF); what are the perinatal outcomes?
F.S. Marleen (United Kingdom) P14.28
- First trimester low pregnancy-associated plasma protein-A (PAPP-A) levels and uteroplacental complications: a retrospective cohort study
F.S. Marleen (United Kingdom) P14.29
- The impact of low-dose aspirin on utero-placental circulation: a systematic review
C. Carpentier (Canada) P14.30
- First trimester risk prediction models for pre-eclampsia based on uterine artery Doppler: a systematic review of methodology
F. Prefumo (Italy) P14.31
- The contribution of PLGF to the performance of screening for severe pre-eclampsia in the first trimester of pregnancy in routine clinical practice
L. Orosz (Hungary) P14.32
- P15: Third trimester and fetal surveillance**
- Umbilical cord anomalies: detection and expectations
L. Bohiltea (Romania) P15.01
- Perinatal outcomes of fetuses with increased middle cerebral artery peak systolic velocity
X. Zhang (Singapore) P15.02

Electronic poster stations

- Inter-correlation of various Doppler ultrasound measurements in prolonged pregnancy: a single site pilot study
Y. Sabr (Saudi Arabia) P15.03
- A multivariable risk prediction tool for adverse perinatal outcomes in prolonged pregnancy: a single site pilot study
Y. Sabr (Saudi Arabia) P15.04
- Incidence and risk factors for vasa previa: a systematic review
L. Ruitter (Netherlands) P15.05
- Measurement of the fetal anterior cerebral artery pulsatility index in normal pregnancy
A. Rossi (Italy) P15.06
- Nomograms for fetal, placental and maternal Doppler indices in prolonged pregnancy: a single site pilot study
C. Mayer (Canada) P15.07
- Posterior cerebral artery pulsatility index in normal pregnancies
A. Rossi (Italy) P15.08
- Fetal weight estimation: analysis of 1700 cases in a single center
B. Walker Labarca (Chile) P15.09
- Ultrasound screening for fetal macrosomia, an unsolved dilemma
S. Fernandez (Spain) P15.10
- Changes in middle cerebral artery velocimetry of fetuses diagnosed postnatally with mild or moderate haemolytic disease
M. Lubušký (Czech Republic) P15.11
- The effect of the pressure exerted on the maternal abdominal wall on fetal MCA-PSV
Y. Alpert (Israel) P15.12
- Intraobserver and interobserver repeatability for the volume of intracranial structures using XI VOCAL
T.M. Helfer (Brazil) P15.13
- Normal values of IP AUt at first trimester in our population
C. Martínez-Payo (Spain) P15.14
- Fetal crown-rump length between 11 + 0 and 13 + 6 weeks' gestation in a Korean population
D. Kwak (Republic of Korea) P15.15
- Sri Lankan Fetal Biparietal Diameter (BPD) Charts
T.D. Dias (Sri Lanka) P15.16
- Prediction for fetal prognosis by biparietal diameter measurement from 11 to 13 weeks of pregnancy
M. Nakamura (Japan) P15.17
- Simpler is better: a comparison of methods for construction of fetal reference charts
S. Yagel (Israel) P15.18
- Doppler examination of fetal blood flow in pregnant women undergoing psychoemotional stress
A. Khudaverdyan (Armenia) P15.19
- Torsion of the umbilical cord diagnosed prenatally
L. Haakova (Czech Republic) P15.20
- Acute hemodynamic deterioration of fetal intra-abdominal umbilical vein varix: a case report
A. Makishi (Japan) P15.21
- Effectiveness of time prenatal diagnosis of vasa previa: a report of three cases
L. Kuder (Slovenia) P15.22
- Acral necrosis and upper brachial plexus palsy after prenatal fetal thrombosis
L. Droege (Germany) P15.23
- Circulating C19MC microRNAs in pre-eclampsia, gestational hypertension and fetal growth restriction
L. Hromadnikova (Czech Republic) P15.24
- Cerebrouterine ratio in third trimester as predictor of fetal outcome
L. Hympanova (Czech Republic) P15.25

Electronic poster stations

P16: Preterm labour

- The association between mid-trimester cervical length and the risk of histologic chorioamnionitis and funisitis
J. Joo (Republic of Korea) P16.01
- Amniocentesis in the determination of microbial invasion of amniotic cavity in preterm prelabor rupture of membranes
I. Musilova (Czech Republic) P16.02
- Significance of gray-level histogram of the uterine cervix as a predictor of preterm birth in pregnant women with preterm labour
Y. Kim (Republic of Korea) P16.03
- Perinatal prognosis of singleton preterm pre-labour rupture of membranes before 24 weeks: role of amniotic fluid large vertical pocket
T. Cobo (Spain) P16.04
- Perinatal prognosis of multiple pregnancies with preterm pre-labour rupture of membranes before viability in one twin: role of amniotic fluid large vertical pocket
J. Munrós (Spain) P16.05
- Timing of isthmic effacement associates with preterm delivery
R. Oi (Japan) P16.06
- The risk of preterm delivery of pregnant women with adenomyosis
M.J. Kim (Republic of Korea) P16.07
- Reproducibility of cervical length measurement: the effect of probe position and bladder visualisation in cervical shortening
I. Schmeil (Germany) P16.08
- Comparison of perinatal outcome of preterm newborns from women with subclinical intraamniotic infection by genital mycoplasma and non-infection detected women
I. Vives (Spain) P16.09
- Diagnostic accuracy of cervical length measurement for prediction of preterm delivery in low risk pregnant women
O. Graic (Croatia) P16.10
- Risk factors for preterm delivery differ between smokers and non-smokers
M. Mongelli (Australia) P16.11
- True Reproducibility of UltraSound Techniques (TRUST): first trimester cervical length using transabdominal and transvaginal ultrasound
W.P. Martins (Brazil) P16.12
- True Reproducibility of UltraSound Techniques (TRUST): second trimester cervical length using transabdominal and transvaginal ultrasound
W.P. Martins (Brazil) P16.13
- Lung perfusion as predictor of pulmonary hypoplasia (PH) in mid-trimester preterm prelabour rupture of membranes (PPROM)
N. Baños (Spain) P16.14
- Maternal and neonatal outcome regarding type of microorganism isolated in the amniotic fluid in women with PPRM
A. Rodríguez-Trujillo (Spain) P16.15
- Using ultrasound to predict fetal lung maturity (FLM): is biometry beyond 20 weeks reliable?
F. Astudillo-Davalos (United States) P16.16
- Asymptomatic short cervix detected in morphological ultrasound, how do we handle it?
M. Lull Gomila (Spain) P16.17
- Clinical complications using a new cervical pessary medicated with progesterone for prevent spontaneous premature birth
E.A. Guerra (Chile) P16.18
- Amniotic fluid sludge to predict chorioamnionitis in extremely preterm labour
D. Oros (Spain) P16.19
- Abstract withdrawn* P16.20

Electronic poster stations

- Fetal weight and neonatal outcomes in pre-viable rupture of membranes
J. Esteves (Brazil) P16.21
- A novel methodology of 3D cervix imaging emphasizing the center reference point: a pictorial essay
L.A. Izquierdo (United States) P16.22
- P17: Ultrasound in labour at term**
- Can a successful vaginal birth after a Caesarean section be predicted by assessing the angle of progression before labour?
M. Gillor (Israel) P17.01
- Fetal thymus and steroid treatment: the effect of prenatal therapy on sonographic measurements
L. Guariglia (Italy) P17.02
- Cervical length at mid-trimester and the risk of failed labour induction
E. Jung (Republic of Korea) P17.03
- Placental location and delivery outcome in healthy pregnancy
S. Vannuccini (Italy) P17.04
- Intrapartum changes in the maternal subpubic angle measured by a novel 3D ultrasound
A. Youssef (Italy) P17.05
- Effect of hyaluron derivate gel in prevention of adhesions after Caesarean section
R. Vlč (Czech Republic) P17.06
- Prospective fetal neck and shoulder visualisation during the second stage of labor and prior to operative vaginal delivery: a feasibility study
U. Merkel (Germany) P17.07
- Prediction of successful induction of labour using sonographic myometrial thickness
E. Spiegel (Israel) P17.08
- The occiput spine angle: a new sonographic index of fetal head deflexion during the first stage of labour
F. Bellussi (Italy) P17.09
- The subpubic angle measured by a novel three-dimensional ultrasound technique in nulliparous and parous women: a pilot study
S. Gabrielli (Italy) P17.10
- Correlation of different intrapartum ultrasound parameters to describe fetal head descend in Chinese population
C. Chor (Hong Kong) P17.11
- Association between sonographic fetal head position prior to labour induction and outcome of labour induction
K. Park (Republic of Korea) P17.12
- Cervical volume is a good predictor of successful labor induction
L. Young (Republic of Korea) P17.13
- Rate of change in cervical length and the risk of Caesarean delivery
J. Shin (Republic of Korea) P17.14
- The relation of myoma located in the lower uterine segment and the high risk of Caesarean section
A. Tajima (Japan) P17.15
- Retained Foley catheter in right ectopic ureter after Caesarean section
W. Lau (China) P17.16
- P18: Multiple pregnancy I**
- A rare anomaly in twin pregnancy acardiac twin: the role of ultrasound diagnostic
Z. Tatic Stupar (Serbia) P18.01
- Dichorionic triplet pregnancies: natural history and the effect of embryo reduction
M. Morlando (United Kingdom) P18.02
- Correlation between second trimester ultrasonographic twin EFW difference and early outcomes
A. Ambrose (United States) P18.03
- Antenatal management and perinatal outcome of monoamniotic twin pregnancies
D. Lee (Republic of Korea) P18.04

Electronic poster stations

- Zygosity and pregnancy complications according to mode of conception in triplet pregnancy
J.E. Kwon (Republic of Korea) P18.05
- Are perinatal outcomes in non complicated monochorionic diamniotic twins affected by birth management?
I. Vlasinova (Czech Republic) P18.06
- Cord occlusion and transection to increase the rate of pregnancies with at least one surviving twin in monochorionic monoamniotic twin pregnancies
K. Tan (Spain) P18.07
- Amniotic fluid discordance in monochorionic diamniotic twin pregnancies is associated with increased risk of twin anemia-polycythemia sequence
Y. Yinon (Israel) P18.08
- Middle cerebral artery peak systolic velocity measurements for prediction of twin anemia polycythemia sequence
K.Y. Leung (Hong Kong) P18.09
- Are ductus venosus time intervals a practical method to verify early twin-twin transfusion syndrome in monochorionic pregnancies?
H. Gardiner (United States) P18.10
- Twin reversed arterial perfusion sequence: a 14 year experience in a tertiary referral centre
S. Ramakrishnan (India) P18.11
- TRAP sequence: diagnosis, management and outcome of co-twin
K. Janiak (Poland) P18.12
- The learning curve and two-years results of the new based Fetal Centre in the Czech Republic supervised by the experienced European Fetal Centre
L. Haslik (Czech Republic) P18.13
- In utero nephrostomy in severe fetal hydronephrosis
D. Stettner (Poland) P18.14
- Chorionic villus sampling in assisted conception versus spontaneously conceived twins
G. Daskalakis (Greece) P18.15
- Evaluation of prenatal invasive procedures: a retrospective analysis of cases
A. Tazeqül Pekin (Turkey) P18.16
- The role of peak velocity of systolic blood flow (PVS) in the middle cerebral artery (MCA) in parvovirus hydrops: case report
T.M. Helfer (Brazil) P18.17
- Critical late intrauterine intervention in congenital adenomatoid lung malformation type I: case report
M. Litwińska (Poland) P18.18
- Prenatal diagnosis and treatment of alpha-thalassemia major
M. Debska (Poland) P18.19
- Recurrent congenital chylothorax: a case report
D. Martins (Portugal) P18.20
- Use of amniocentesis and cervical cerclage to achieve successful pregnancy outcome in a case of mid-trimester sepsis of unknown origin
C.L. Knight (United Kingdom) P18.21
- P19: Multiple pregnancy II**
- Fetal hemodynamic parameters in monochorionic diamniotic twin pregnancies complicated with twin-twin transfusion syndrome treated by laser photocoagulation
F. Leduc (Canada) P19.01
- Twin pregnancy: screening test for spontaneous preterm delivery and pre-eclampsia during the first trimester of pregnancy
M. Parra-Cordero (Chile) P19.02
- Factors influencing pregnancy length in patients treated with laser therapy for twin-twin transfusion syndrome
M. Swiatkowska-Freund (Poland) P19.03

Electronic poster stations

- Spontaneous fetal loss throughout gestation in singleton, twin and triplet pregnancies
J. Park (Republic of Korea) P19.04
- Colour dye injection of placental vascular anastomoses in monochorionic twin pregnancy
M. Lanna (Italy) P19.05
- The association between inter-twin crown-rump length discrepancy with birthweight discordance in dichorionic twin gestation
T. Ahn (Republic of Korea) P19.06
- Fetoscopic laser occlusion and transection for twin-reversed arterial perfusion sequence
M. Nakata (Japan) P19.07
- Trial of the TTTS onset prediction by amniotic fluid volume and maternal serum hCG measurement
R. Nagai (Japan) P19.08
- Fetoscopic laser surgery for twin-twin transfusion syndrome after 26 weeks of gestation in Japan
M. Nakata (Japan) P19.09
- Umbilical vein volume flow at 11-14 weeks in monochorionic twin pairs with subsequent twin-twin transfusion or selective intrauterine growth restriction
M.A. Zoppi (Italy) P19.10
- Twin dividing membrane thickness and preterm birth
L. Bracero (United States) P19.11
- The natural history of monoamniotic twin pregnancies
F. Prefumo (Italy) P19.12
- Ultrasound imaging of acardia blood spontaneously blocked before and after and pump twin outcome in twin reversed arterial perfusion sequence
X. Chen (China) P19.13
- Prenatal diagnosis and surgical management of a thoraco-omphalophagus conjoined twin: "half success" of separation
K. Lee (Republic of Korea) P19.14
- Ultrasound-guided selective termination in a dichorionic pregnancy following previable preterm premature rupture of membranes: a case report
M. Roy-Lacroix (Canada) P19.15
- Triplets-surprises and dilemmas of management (case report)
N. Vedmedovska (Latvia) P19.16
- Does the presence of a primitive heart in a pseudoacardic twin protect against cardiac failure of the pump co-twin?
J.H. Ochoa (Argentina) P19.17
- Polyhydramnios in the sac of the parasitic twin: atypical manifestation of twin-reversed arterial perfusion sequence
A. Fichera (Italy) P19.18
- Discordant occipital encephalocele in monochorionic monoamniotic twin
R.A. Sa (Brazil) P19.19
- Triplet pregnancy with partial hydatidiform mole coexisting with two fetuses after ovulation induction and intrauterine insemination
M.S. Kutuk (Turkey) P19.20
- Successful laser coagulation for twin-to-twin transfusion syndrome and occurrence of linear nevus sebaceous syndrome in one monochorionic twin
P. Klaritsch (Austria) P19.21
- Twin-twin transfusion syndrome in a diagnosed with dichorionic pregnancy
C. Esteve (Spain) P19.22
- Monochorionic diamniotic (MCDA) twin pregnancy with omphalopagus
M. Lee (Republic of Korea) P19.23
- Twin-reversed arterial perfusion (TRAP) sequence: role of Doppler image
J. Cortejoso (Spain) P19.24

Electronic poster stations

P20: Fetal interventions I

- Fetal anemia after stillbirth of a twin in a TTTS: a case of emergency intrauterine transfusion
B. Walker Labarca (Chile) P20.01
- Management of fetal anemia and hydrops due to placental hemorrhage caused by domestic violence at 19 weeks of pregnancy
A. Tazeqül Pekin (Turkey) P20.02
- Severe hemolytic disease of fetus and newborn caused by anti c antibody
M. Ozgun (Turkey) P20.03
- Ultrasonographic guidance in hysteroscopic resection of Caesarean scar pregnancy at six weeks of gestation with laminaria cervical dilatation
T. Hoshino (Japan) P20.04
- Fetal endoscopic tracheal intubation: a new fetoscopic procedure to ensure extrauterine tracheal permeability in a case with congenital cervical teratoma
R. Cruz-Martinez (Mexico) P20.05
- Fetal bronchoscopy for cases with prenatal diagnosis of congenital microcystic adenomatoid malformation
R. Cruz-Martinez (Mexico) P20.06
- Fetal balloon atriocentostomy and interatrial stent: a single center experience
M. Debska (Poland) P20.07
- Percutaneous fetal intracranial venous embolization in a case with vein of Galen aneurysmal malformation and hydrops
R. Cruz-Martinez (Mexico) P20.08
- Fetoscopic release of amniotic band limb constriction with umbilical cord involvement
G.E. Chalouhi (France) P20.09
- Outcomes of primary fetal pleural effusions: a Japanese nationwide survey of 2007–2011
H. Sago (Japan) P20.10
- Laparoscopic-assisted selective laser photocoagulation therapy (LA-SLPT) for twin–twin transfusion syndrome (TTTS)
M. Bebbington (United States) P20.11
- Contribution of myocardial performance index and ductus arteriosus blood flow for fetal surveillance during open fetal surgery
E.M. Santana (Brazil) P20.12
- The use of a Foley balloon catheter as an adjuvant in treating Caesarean scar (CSP) and cervical pregnancies (CxP)
I.E. Timor-Tritsch (United States) P20.13
- Perinatal outcomes of dichorionic triamniotic pregnancies managed by fetoscopy
X.F. Torres Montebruno (Spain) P20.14
- Audit of immediate outcomes for MCDA twins following laser therapy for twin–twin transfusion syndrome at the NSW Fetal Therapy Centre
A. Henry (Australia) P20.15
- Congenital diaphragmatic hernia survival prediction in Chile
M. Yamamoto (Chile) P20.16
- P21: Fetal interventions II**
- Transient shunt of low oxygenated blood to the fetal brain: may antenatal steroids trigger decompensation in ARED-fetuses? An explanatory model
M. Gonser (Germany) P21.01
- Percutaneous ablation for severe sacrococcygeal teratoma: technical aspects and outcomes
R. Ruano (Brazil) P21.02
- New stage of fetal circulatory collapse by umbilical venous flow volume after thoraco-amniotic shunting
Y. Takahashi (Japan) P21.03
- Antenatal pentoxifylline therapy to prevent endotoxin-induced fetal injury in the preterm goat model
M. Sezik (Turkey) P21.04

Electronic poster stations

- Immune tolerance induction using chorionic villus sampling (CVS) technique in rodent models
M. Endo (Japan) P21.05
- Ductus venosus Doppler flow velocity after transplacental and non-transplacental amniocentesis during midtrimester
B. Artunc Ulkumen (Turkey) P21.06
- Correlation of first trimester three-dimensional placental volume and mean gray value with biochemical and Doppler ultrasonography parameters
H. Pala (Turkey) P21.07
- Fetal aortic valvuloplasty for cases with critical aortic stenosis and atrial septal restriction without hydrops
R. Cruz-Martinez (Mexico) P21.08
- Improving outcome of in utero fetal transfusion by increasing the target fetal hematocrit
P. Acharya (India) P21.09
- 55 consecutive TTTS cases treated in a single center in Santiago
M. Yamamoto (Chile) P21.10
- Decrease of human chorionic gonadotropin (hCG) in the cases of fetal pleural effusion following effective thoraco-amniotic shunting (TAS)
R. Chiaki (Japan) P21.11
- The assessment of placental volume and mean gray value in preeclamptic placentas by using three-dimensional ultrasonography
B. Artunc Ulkumen (Turkey) P21.12
- Influence of improved Quintero staging in twin-to-twin transfusion syndrome on prognosis of the time of delivery
K. Preis (Poland) P21.13
- Prenatal ultrasonographic factors predicting antenatal course in fetal lung lesions
E. Antolin (Spain) P21.14
- Intrauterine treatment of Osteogenesis imperfecta: follow-up of cases and comparison with controls
M. Yamamoto (Chile) P21.15
- Temporal trends in referral and outcome following fetoscopic coagulation of anastomoses for TTTS over a 10-year period
J. Stirnemann (France) P21.16
- Prenatal treatment of posterior urethral valves by cystoscopic laser ablation
J. Martínez (Spain) P21.17
- P22: New imaging technologies I**
- Novel technique to detect fetal heart rate automatically using two-dimensional speckle-tracking echocardiography
M. Nakata (Japan) P22.01
- An innovative new setting for the improvement of ultrasound ergonomics
M. Leerkes (Netherlands) P22.02
- Searching for structures of interest in an ultrasound video sequence with an application for detection of breech
A.T. Papageorghiou (United Kingdom) P22.03
- Second trimester fetal biometric measures: concordance between 2D and 3D technologies
S. Alshamrani (Canada) P22.04
- The provision of Markov random fields and texture to expand understanding of nonparametric foetal ultrasound scene
F. Mone (Ireland) P22.05
- Contribution of fetal MRI in diagnosis of congenital lung lesions in clinical practice
N.S. Rahaim (United Kingdom) P22.06
- Correlation of fetal MRI with postmortem imaging and histology in cases of thanatophoric dysplasia
C. Mitter (Austria) P22.07
- The diagnostic value of antenatal magnetic resonance imaging in cases suspected to have placental adhesive disorders (PAD)
N.S. Rahaim (United Kingdom) P22.08

Electronic poster stations

- Can prenatal ultrasound stand alone to diagnose microcephaly or are fetal brain MRI needed? P22.09
E. Katorza (Israel)
- Obstetric ultrasound efficiency and accuracy using a protocol-based exam P22.10
M.S. Ruma (United States)
- Fetal head molding: changes of fetal head diameters during active second stage of labour on open MRI scanner P22.11
C. Bamberg (Germany)
- MRI of fetal stroke P22.12
S. Laifer-Narin (United States)
- Fetal MRI for diagnosis of bowel malposition P22.13
G. Gorincour (France)
- Early foetal morphological evaluation (12–14 weeks): abdominal ultrasonography approach P22.14
J. Sainz Bueno (Spain)
- Value of fetal brain MRI in cases with a prenatal ultrasound diagnosis of space occupying lesion P22.15
A. Khalil (United Kingdom)
- Feasibility of fully automated measurements of hiatal dimensions P22.16
J. Deprest (Belgium)
- Assessment of reproducibility of fetal thymus volume measurement by three-dimensional ultrasound using virtual organ computer-aided analysis P22.17
W.P. Martins (Brazil)
- P23: New imaging technologies II**
- Do major levator ani muscle defects hurt 12 month postpartum? P23.01
F. Sifarikas (Norway)
- Use of ultrasonography and magnetic resonance imaging in the diagnosis of placenta membranacea P23.02
X. Chen (China)
- Eye tracking as a tool to assess sonographer behaviour when quality-scoring fetal ultrasound images P23.03
C.L. Knight (United Kingdom)
- Ultrasound measurement of subcutaneous fat thickness as an independent predictor for adverse pregnancy outcomes P23.04
A.E. Quinton (Australia)
- Variation of safety indices during learning curve for assessment of fetal heart at 11+0 to 13+6 weeks' gestation P23.05
D. Nemescu (Romania)
- Normal fetal posterior fossa in magnetic resonance imaging: new biometric reference data and possible clinical significance P23.06
E. Katorza (Israel)
- Effect of three versus four-dimensional ultrasonography on maternal attachment P23.07
K. Viswasam (Australia)
- The detection of fetal motion using optical flow displacement histograms P23.08
F. Mone (Ireland)
- New approaches to detect the placenta accrete using MRI and 3D Slicer P23.09
T. Kanasugi (Japan)
- Prenatal diagnosis of sirenomelia by combining two-dimensional ultrasound, new fetal skeletal rendering, three-dimensional helical computer tomography and magnetic resonance imaging P23.10
X. Chen (China)
- Prenatal diagnosis of small bowel obstruction with ultrasonography and MRI P23.11
X. Chen (China)
- Role of fetal MRI in the clinical practice: a radiologist's point of view P23.12
L. Ples (Romania)
- A novel approach to visualize the inside of placenta using 3D Slicer software: a pilot study P23.13
R. Oyama (Japan)

Electronic poster stations

- The value of fetal MRI to prenatal ultrasound findings of congenital anomalies and correlation with postnatal findings in a community hospital P23.14
M.A. Cruz Ithier (United States)
- Improving efficiency of ultrasound mid-trimester screening using the Scan Assistant tool P23.15
T. Bultez (France)
- Contribution of fetal MRI in diagnosis of congenital lung lesions in clinical practice P23.16
N.S. Rahaim (United Kingdom)
- Prenatal elastography in fetal baboons pregnancy: a reproducibility study P23.17
E. Quarello (France)
- P24: New imaging technologies III**
- Patient satisfaction with a novel portable ultrasound system P24.01
M.S. Ruma (United States)
- To visualise multiple direction of the fetal skeletal dysplasia using 3D slicer software: a new approach of the fetal MRI P24.02
G. Haba (Japan)
- Placental volume relative to fetal weight estimated by 3D sonography in diabetic pregnancies P24.03
A. Surányi (Hungary)
- A novel 3D printing of fetus based on 3D ultrasound images P24.04
H. Jin (Republic of Korea)
- Contribution of magnetic resonance imaging to ultrasound for the evaluation of fetal central nervous system anomalies P24.05
M. Lee (Republic of Korea)
- Early appearance of pathologic uterine ring associated with persistent abnormal fetal posture P24.06
K. Lee (Republic of Korea)
- Case report: umbilical cord true knot diagnosed by 3D power Doppler P24.07
C. Amorim de Barros (Brazil)
- Prenatal diagnosis of 3 adrenal tumors and the postnatal outcome P24.08
J. Matecha (Czech Republic)
- Pfeiffer type II syndrome diagnosed with three-dimensional ultrasound and HD Live P24.09
D. Markov (Bulgaria)
- A bicornuate uterus pregnancy with an atypical presentation of an imminent rupture of the uterus, presenting as fetal oedema; a case report P24.10
N. Pleunis (Netherlands)
- Management of placenta percreta, usefulness of enhanced 3T MRI sequence P24.11
E. Perdrille-Galet (France)
- HDlive in the assessment of fetal facial abnormalities P24.12
U. Hanaoka (Japan)
- Intramural ectopic pregnancy following IVF-ET successfully managed with systemic methotrexate P24.13
L.S. Machado (Oman)
- Prenatal diagnosis of subependymal giant cell astrocytoma using fetal MRI scan P24.14
L. Otón Pàmies (Spain)
- Non-visible gallbladder during the second half of pregnancy: case report P24.15
T. Illescas (Spain)
- Multimodal imaging approach to the perinatal diagnosis of biliary atresia P24.16
L. Otón Pàmies (Spain)
- Prenatal diagnosis of bronchogenic cyst: utility of magnetic resonance imaging P24.17
J. Cortezoso (Spain)
- A variant of the Herlyn-Werner-Wunderlich (HWW) syndrome in pregnancy P24.18
D. Kwon (Republic of Korea)

Electronic poster stations

P25: Caesarean scars and other quality and safety issues

- Sonographic evaluation of uterine scar 4 and 12 weeks after Caesarean section
P. Piekarski (Poland) P25.01
- Predictive accuracy of colour Doppler signs in detecting invasive placentation: a systematic review and meta-analysis
M. Morlando (United Kingdom) P25.02
- Incidence of invasive placental disorders after Caesarean section
F. D'Antonio (United Kingdom) P25.03
- Effect of transducer frequency on myometrium thickness measurements: a feasibility study to improve accuracy
L. Schmeil (Germany) P25.04
- Potential risks associated with an ultrasound examination: a microbial perspective
S.C. Westerway (Australia) P25.05
- Ultrasonic evaluation of a scar on uterus in primiparous women 6 weeks, 6 months and 1 year after Caesarean section
J. Hanacek (Czech Republic) P25.06
- Placenta previa: incidence, risk factors and outcome
M. Kollmann (Austria) P25.07
- Volume of isthmocoele: is there a correlation with different types of sutures performed during Caesarean section?
S. Gabrielli (Italy) P25.08
- Prenatal identification of invasive placentation using ultrasound
T. Stojilkovic (Serbia) P25.09
- Importance of ultrasound examination in the prediction of severe postpartum hemorrhage
R. Pock (Czech Republic) P25.10
- Uterine rupture: the importance of sonography in the delivery room
S.A. Couto (Portugal) P25.11
- Case report: 2D ultrasound in the diagnosis of a vasa previa case
C. Amorim de Barros (Brazil) P25.12
- Ultrasonographic evaluation of uterine scar defect after Caesarean section
O. Grjac (Croatia) P25.13
- Uterine artery pseudoaneurysm manifesting as delayed postpartum hemorrhage after precipitous delivery
J. Kim (Republic of Korea) P25.14
- Uterine rupture following uterine artery embolization due to retained placenta
J. Jang (Republic of Korea) P25.15
- Sonographic assessment of lower uterine segment at term in women with previous Caesarean section
P. Uharcek (Slovakia) P25.16
- Elastographic evaluation of Caesarean section uterine scar may be useful in identifying patients with high risk of uterine scar dehiscence
S. Wozniak (Poland) P25.17
- Accurate screening and diagnosis of placenta accreta; the Queens Hospital experience
M.O. Thompson (United Kingdom) P25.18

P26: Early pregnancy complications

- The efficacy of medical treatment of early pregnancy failure according to ultrasonographic findings
S.J. Kim (Republic of Korea) P26.01
- Sonographic evaluation of early pregnancy failure
M.Z. Mahmoud (Saudi Arabia) P26.02
- Bilateral uterine artery chemoembolization with methotrexate and gelatine foam for Caesarean scar pregnancy
S. Wozniak (Poland) P26.03

Electronic poster stations

- Medical treatment for tubal ectopic pregnancy: our experience from 2000 to 2013
A. Dall'Asta (Italy) P26.04
- Management of uterine ectopic pregnancies: 8 years experience in a tertiary medical centre
P. Dar (United States) P26.05
- Diagnosis and conservative ultrasound-guided treatment of ectopic interstitial pregnancy: long-term follow-up
T. Makukhina (Russian Federation) P26.06
- Ultrasonographic assessment of early gestational sac and its association with pregnancy outcomes
A. Tazegül Pekin (Turkey) P26.07
- Abstract withdrawn* P26.08
- Heterotopic pregnancies and multiple ectopic after assisted reproduction: are they really rare?
S. Puiu (Republic of Moldova) P26.09
- Possibility of successful hysteroscopic resection of fetal heart beat-positive Caesarean scar pregnancy under ultrasound guidance
T. Hoshino (Japan) P26.10
- 3D ultrasound diagnosis of molar Caesarean scar pregnancy
A. Vimercati (Italy) P26.11
- Twin interstitial ectopic pregnancy: a case report
P. Dar (United States) P26.12
- Advances in urine pregnancy testing and implications for clinical problems of early pregnancy
F. Ajibade (United Kingdom) P26.13
- Heterotopic triplet pregnancy with intrauterine viable DCDA twins
F. Ajibade (United Kingdom) P26.14
- Successful conservative management of cornual pregnancy with ultrasound-guided transabdominal methotrexate injection
S. Choi (Republic of Korea) P26.15
- OHSS in a spontaneous pregnancy: a case report
B. Kubesova (Czech Republic) P26.16
- DGH experience of relevance of histology to complications of early pregnancy
F. Ajibade (United Kingdom) P26.17
- Recognising and managing Caesarean scar ectopic pregnancy
C. Mammen (United Kingdom) P26.18
- Thin endometrium as a possible reason of missed pregnancy
L. Sudoma (Ukraine) P26.19
- Ultrasound scan showing molar placenta with a viable fetus: is it single fetus with partial mole or twin pregnancy with complete mole?
D. Janga (United Kingdom) P26.20
- Ovarian torsion during pregnancy: a case report
F. Todorut (Romania) P26.21
- The scar ectopic that wasn't: a case study
G.M. Kaye (Australia) P26.22
- Conservative treatment in a primigravida with cervical ectopic pregnancy diagnosed by 3D ultrasound
F. Godoy Amed (Brazil) P26.23
- Lithopedion in woman after ectopic pregnancy
M.E. Sastre (Spain) P26.24
- Ultrasound, surgical termination of mid trimester pregnancy and retained fetal spinal bone
F. Ajibade (United Kingdom) P26.25
- Caesarean scar pregnancies, mini-invasive treatment based on diagnostics; 2 cases report
L. Teregulova (Russian Federation) P26.26

Electronic poster stations

P27: Ovarian masses

- Abstract withdrawn* P27.01
Analysis of the diagnostic value of Gynecologic Imaging Reporting and Data System (GI-RADS) and CA125 in the presurgical assessment of adnexal tumors P27.02
N. Abdalla (Poland)
Risk of malignancy index in pre-operative evaluation of borderline ovarian tumors P27.03
M. Canto (Spain)
A case of tubo-ovarian abscess in a pregnant woman P27.04
Y. Kim (Republic of Korea)
The role of ultrasound in ovarian masses P27.05
S. Proença (Portugal)
Abstract withdrawn P27.06
The management in case of ovarian torsion suspicion during pregnancy and postpartum period P27.07
E. Fedorova (Russian Federation)
Tarlov cyst: case report P27.08
T. Palmieri (Italy)
The importance of keeping an open mind P27.09
G. Almeer (United Kingdom)
Immature teratoma in 21 year old patient: literature review P27.10
S. Stavrou (Greece)
Half a good diagnosis P27.11
W.A. Clavelli (Argentina)
Assessment of the diagnostic value of the modified formula of risk of malignancy index RMI IV by replacing CA125 by human epididymis protein HE4 P27.12
N. Abdalla (Poland)
Comparison of the diagnostic value of risk of malignancy index RMI-I with CA125, HE4 and ROMA in the preoperative assessment of adnexal masses P27.13
N. Abdalla (Poland)
Diagnosis of adnexal masses: validation of the IOTA logistic regression model (LR2) in comparison to subjective pattern recognition P27.14
A. Pinto (Portugal)
Ovarian malignant mixed müllerian tumors on ultrasonography P27.15
J. Kim (Republic of Korea)
A sheep in wolf's clothing: the radiological and therapeutic approach to a retroperitoneal myolipoma in a 44 year old P27.16
O. Ali (United Kingdom)

P28: Pelvic pain and endometriosis

- Ultrasound based staging system as a preoperative triage tool for laparoscopic treatment of endometriosis P28.01
U. Menakaya (Australia)
The association between symptoms and surgical findings in women with suspected endometriosis P28.02
F. Infante (Australia)
The performance of ultrasound hard marker: endometrioma as a triage tool for laparoscopic treatment of women with higher stage endometriosis P28.03
U. Menakaya (Australia)
Prediction of POD obliteration using off line analysis of real time dynamic sliding sign by individuals with different levels of ultrasound experience P28.04
U. Menakaya (Australia)
The prevalence of uterine malformations diagnosed by 3D transvaginal ultrasound in women undergoing surgery for endometriosis P28.05
V.H. Eisenberg (Israel)
Does 3D/4D transperineal ultrasound add to the pre-operative transvaginal ultrasound evaluation in women undergoing surgery for endometriosis? P28.06
V.H. Eisenberg (Israel)

Electronic poster stations

- IUD insertion problems are common in patients with Caesarean delivery scars P28.07
R.C. Sanders (United States)
Extended transvaginal ultrasound in deep endometriosis: use of high sliding sign and mobility of ovaries in patients with clinic suspect of die P 28.08
M. León (Chile)
Accuracy of ultrasound for the preoperative evaluation of deep infiltrating endometriosis P28.09
S. Rajendran (Australia)
Vaginal gel 3D volumetry in women with suspect of deep infiltrating endometriosis: a pilot study P28.10
M. León (Chile)
How reliable is office gel sonovaginography in predicting depth of infiltration of bowel DIE? P28.11
F. Infante (Australia)
The role of Doppler ultrasound in diagnosis of endometriomas P28.12
R. Ciortea (Romania)
Comparison between sonovaginography and nuclear magnetic resonance in the diagnosis of posterior deep infiltrating endometriosis P28.13
E. Cosmi (Italy)
Role of three-dimensional ultrasound on detection of foreign body as a cause of chronic pelvic pain: a case report and review of literature P28.14
J.G. Martins (United States)
Ultrasonographic diagnosis of pseudoaneurysm of the uterine artery after laparoscopic surgery for endometriosis P28.15
S. Ferrero (Italy)
Extrauterine adenomyoma invading the sigmoid mesocolon in pelvic cavity P28.16
J. Jang (Republic of Korea)

P29: Reproductive medicine

- Ovarian stromal blood flow in the prediction of ovarian response and pregnancy outcome in assisted fertilisation program P29.01
L. Ng (Singapore)
Ultrasound evaluation of uterine size and flexion and the impact of these on insertion and use of intrauterine devices P29.02
J. Kaislasuo (Finland)
The prevalence of Lebanese uterine congenital anomalies in fertile and infertile population by 3D ultrasound P29.03
L. Aboujaoude (Lebanon)
Trophoblastic vascularisation study through angiopower Doppler at week 9 of spontaneous pregnancies and after assisted reproduction techniques P29.04
F. Sellers (Spain)
Role of two-dimensional ultrasound to detect uterine canalisation defects in infertile women P29.05
B. Graupera (Spain)
Feasibility and sonographic follow-up of barbed suture in laparoscopic myomectomy P29.06
F. Leone (Italy)
Cut-off values of 3D power Doppler parameters in relation to low ovarian response P29.07
B. Moliner (Spain)
Role of hysteroscopic lateral metroplasty in narrow normal appearing uterine cavity prior to ICSI P29.08
M.A. Abdel-Naby (Egypt)
The incidence and etiology of an embedded Intrauterine device (IUD) with a 3D ultrasound study P29.09
L. Aboujaoude (Lebanon)
Ultrasonographic ovarian features in PCOS using 3D power Doppler and its relation to gonadotropin levels P29.10
H.M. Gaafar (Egypt)
Histological structure and vascularity of hysteroscopically removed uterine septa in patients with one year infertility and patients with recurrent pregnancy loss P29.11
H.M. Gaafar (Egypt)
Hysterosalpingo-foam sonography: a technique to evaluate uterine anomalies and visualise tubal patency P29.12
D. Smetanova (Czech Republic)

Electronic poster stations

- Safe and cost-effective ultrasound guided removal of retained intrauterine device: our experience
F. Astudillo-Davalos (United States) P29.13
- Thin endometrium: can vascularisation influence in eggdonation outcome?
B. Moliner (Spain) P29.14
- Sonographic follow up after cryopreserved ovarian tissue reimplant on broad ligaments
J. Sabría (Spain) P29.15
- Successful pregnancy and live birth in a patient with persistent thin endometrium
L. Mendilcioglu (Turkey) P29.16
- Transmyometrial embryo transfer in a patient with cervicovaginal agenesis
L. Mendilcioglu (Turkey) P29.17
- Ultrasonographical investigation of infertile women enhanced by contrast media is equally effective to hysterosalpingography (HSG) but less painful
E. Domali (Greece) P29.18

P30: Abnormal bleeding

- Hysteroscopy and vaginal ultrasound in endometrium evaluation in postmenopausal bleeding
I. Ceausu (Romania) P30.01
- Study of uterine fibroids incidence in Sudan
M.Z. Mahmoud (Saudi Arabia) P30.02
- Colour Doppler ultrasound evaluation of uterine arteries in endometrial cancer
S. Jankovic Raznatovic (Serbia) P30.03
- Accuracy of 3D ultrasound in diagnosing uterine pathology in patients with pre-menopausal bleeding
H.M. Gaafar (Egypt) P30.04
- The effects of gravidity and parity on the uterine inner and outer measurements on 2D and 3D sonography
H. Wong (Australia) P30.05
- The importance of ultrasonography in the management of uterine fibroids
C. Landolfo (Italy) P30.06
- 3D ultrasound HD live visualisation in the new 13.5 mg progesterone release intrauterine device (IUD)
M. Reyes (Chile) P30.07
- The role of 3D transvaginal ultrasound in visualising progesterone releasing intrauterine device
M. Grigore (Romania) P30.08
- Influence of ulipristal acetate and uterine artery embolisation on fibroid volume and vascularity indices assessed by 3D ultrasound
P. Czuczwar (Poland) P30.09
- To evaluate the significance of colour Doppler ultrasound in fibroid perfusion pre and post misoprostol insertion per rectally
M. Hasan (Pakistan) P30.10
- The role of 3-dimensional power Doppler ultrasound in postmenopausal bleeding
A. Kim (Republic of Korea) P30.11
- Sonographic diagnosis of puerperal uterine inversion aided by colour Doppler mapping
E. Jalal (Canada) P30.12
- Sonohysterography is a useful diagnostic approach for uterine arteriovenous malformation
M. Mishina (Japan) P30.13
- Atypical leiomyoma and atypical ultrasound appearance of an adnexal mass: case report
M.D. Bernardo (Portugal) P30.14
- MRgFUS treatment of uterine leiomyoma to resolve acute urinary retention: a case report
H. Fukunishi (Japan) P30.15
- Usefulness of elastography in the differential diagnosis of endometrial polyps and submucous fibroids in women with abnormal uterine bleeding
P.R. Szkodziak (Poland) P30.16

Electronic poster stations

- Should be 3D SIS performed prior to hysteroscopy in patients with endometrial tumors?
Z. Jurisic (Serbia) P30.17
- Ultrasonographic endometrial thickness in postmenopausal women: is it a useful triage tool?
A. Dutta (United Kingdom) P30.18
- Application of quantification elastography in patients suspected of endometrial hyperplasia
K. Zielinska (Poland) P30.19
- Doppler US in pre and post treatment of uterine AVM malformation: a case series
R. Amster (Israel) P30.20
- Saline infusion sonography in women presenting with post-menopausal bleeding: positive predictive value and patient experience
K. Ma (United Kingdom) P30.21

P31: Ultrasound in oncology

- HDlive evaluation of gynecologic tumors
M. Mashima (Japan) P31.01
- Virtual touch tissue quantification and ultrasonic elastography in differential diagnosis of benign and malignant breast tumors
J. Quan (China) P31.02
- Tumour volume as risk factor for nodal diffusion in endometrial cancer
V. Chiappa (Italy) P31.03
- Primary retroperitoneal granulosa cell tumor: a case report
F.M. Todorut (Romania) P31.04
- Primary cervical choriocarcinoma diagnosed by 2D ultrasound
M. Byon (Republic of Korea) P31.05
- Small intestine tumor presenting as adnexal area mass
M.D. Bernardo (Portugal) P31.06
- Retroperitoneal tumours mimicking gynaecological pathology
N.D. Deo (United Kingdom) P31.07
- Uterine tumor with neuroectodermal differentiation
D. Jung (Republic of Korea) P31.08
- Carcinosarcoma in tamoxifen treated women: case report
M.D. Bernardo (Portugal) P31.09
- Benign metastasising leiomyoma: a case report of lung and pleural metastases
P. Regueiro (Spain) P31.10
- Post-radiation malignant fibrous histiocytoma following treatment of breast cancer: a case report with imaging findings
Y. Kang (Republic of Korea) P31.11
- Bromocriptine-treated giant lactating adenoma: a case report with imaging findings
J. Min (Republic of Korea) P31.12
- Tumor vascularisation assessment in uterine cervical carcinoma using "fractional moving blood volume" (FMBV) technique
J.M. Alcázar (Spain) P31.13

P32: Urogynecology

- The change of pelvic floor architecture in Korean women using a three-dimensional transperineal ultrasound
S.J. Kim (Republic of Korea) P32.01
- Pelvic floor findings in patients with endometriosis scheduled for laparoscopy surgery
V.H. Eisenberg (Israel) P32.02
- Area of urogenital hiatus and severity of genital prolapse: is there any correlation?
N. Lorente (Spain) P32.03
- 2D-transperineal ultrasound for obstetric anal sphincter injuries assessment in a maternal fetal medicine department
M. Lopez (Spain) P32.04
- Is the 3D/4D transperineal ultrasound useful in the diagnosis of different types of cystocele
X. Zhang (China) P32.05



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Exhibition & sponsorship

Satellite symposia

Room	Sunday 14 September	Monday 15 September	Tuesday 16 September	Wednesday 17 September
116 + 117	 SAMSUNG MEDISON 13:10 - 14:10	 GE Healthcare 13:10 - 14:10	 TOSHIBA Leading Innovation >>> 13:10 - 14:10	 PHILIPS 13:10 - 14:10




Hospitality suites

Room	Sunday 14 September	Monday 15 September	Tuesday 16 September	Wednesday 17 September
122		 Ariosa DIAGNOSTICS		
111	 GE Healthcare	VolusonClub lounge & hospitality suite		
113		 GE Healthcare	Meet the Experts	
128	 HITACHI Inspire the Next		Hospitality & demonstration sessions	
123		 PHILIPS	Hospitality & demonstration sessions	
119	 SAMSUNG MEDISON	Hospitality & demonstration sessions		
118	 TOSHIBA Leading Innovation >>>	Hospitality & demonstration sessions		




Exhibition opening times

Room	Sunday 14 September	Monday 15 September	Tuesday 16 September	Wednesday 17 September
Banquet hall	12:50 - 19:45	10:00 - 17:00	10:00 - 17:00	10:00 - 16:00

Industry education program

Room	Sunday 14 September	Monday 15 September	Tuesday 16 September	Wednesday 17 September
122		 13:00 - 14:15 Harmony Prenatal Test hosts "All Things Chocolate" Desert		
111	 VolusonClub lounge & hospitality suite Visit VolusonClub hospitality suite to experience today's Voluson and Viewpoint innovations, and learn how Voluson technology can help you address clinical challenges. Attend educational seminars and see the latest enhancements on Voluson products and Viewpoint. GE Voluson customers are also invited to attend the VolusonClub where you can relax, browse the internet, network with colleagues and discover new aspects in ultrasound.			
113		Meet the Expert		
	10:15 - 10:45 <i>L. Platt (USA)</i>	10:15 - 10:45 <i>K. Helling (Germany)</i> 12:45 - 13:30 <i>B. Benoit (France)</i> 13:35 - 14:05 <i>A. Abuhamad (USA)</i>	10:15 - 10:45 <i>G. DeVore (USA)</i> 12:45 - 13:30 <i>G. DeVore (USA)</i>	
 HITACHI Inspire the Next				
128	12:50 - 14:25 Live Demo: High Definition tools for Fetal Morphology Assessment 15:45 - 16:20 Live Demo: High Definition tools for Fetal Morphology Assessment	10:15 - 10:45 Live Demo: High Definition tools for Fetal Morphology Assessment 12:45 - 14:15 RVS - Fusion Image in OB <i>J.M. Levallant (France)</i> Fetal Heart - New automated analysis for Fetal Heart Assessment <i>M. Nakata (Japan)</i> Live Demo: Fetal Heart - How to use the new automate analysis for Fetal Heart Assessment <i>J. Carvalho (UK)</i> 16:15 - 16:45 Live Demo: High Definition tools for Fetal Morphology Assessment	10:15 - 10:45 Live Demo: High Definition tools for Fetal Morphology Assessment 12:45 - 14:15 The Near Future of fetal Cardiac Function Evaluation using advanced ultrasonic technology <i>M. Nakata (Japan)</i> Live Demo: Fetal Heart - How to use the new automate analysis for Fetal Heart Assessment <i>J. Carvalho (UK)</i> 15:30 - 16:00 Live Demo: High Definition tools for Fetal Morphology Assessment	

Hospitality suites

Room	Sunday 14 September	Monday 15 September	Tuesday 16 September	Wednesday 17 September
 PHILIPS				
Philips Ultrasound will feature experts demonstrating clinical solutions using our portfolio of products, throughout the week. Please join us to experience Philips innovation yourself.				
123		10:15 - 10:45 Patient Satisfaction with VISIQ <i>M. Ruma (USA)</i> 12:45 - 14:15 Live scanning 16:15 - 16:45 High frequency imaging <i>M. Krapp (Germany)</i>	10:15 - 10:45 High frequency imaging <i>M. Krapp (Germany)</i> 12:45 - 14:15 Live scanning 16:15 - 16:45 xMATRIX in Obstetrics <i>J. Abramowicz (USA)</i>	10:15 - 10:45 xMATRIX in Obstetrics <i>J. Abramowicz (USA)</i> 15:30 - 16:00 Patient Satisfaction with VISIQ <i>M. Ruma (USA)</i>
 SAMSUNG MEDISON				
119	15:45 - 16:20 Morphological assessment in first trimester ultrasound screening <i>E. Quarello (France)</i>	10:15 - 10:45 Assessment of fetal brain by using the automated measurement system <i>A. Weichert (Germany)</i> 16:15 - 16:45 [Spanish Session] Early obstetric ultrasound in assessing fetal neurologic conditions (Invitation only) <i>E. Carreras (Spain); D. Cafici (Argentina)</i>	10:15 - 10:45 [Chinese Session] Fetal heart assessment including MPI and cases for CHD (Invitation Only) <i>W. Qingqing (China)</i> 12:45 - 14:15 Experience the Premium Dimension, WS80A with Elite, Samsung Clinical Manager 16:15 - 16:45 Intrapartum ultrasound of delivery room <i>C. Lees (UK)</i>	
 TOSHIBA Leading Innovation >>>				
118	Activities by private invitation	10:15 - 10:45 Advances in Transvaginal scanning: Ultrasound Hysteroscopy and FlyThru Imaging <i>B. Smith (UK)</i> 13:20 - 14:00 Advances in Prenatal Diagnosis of Congenital Heart Defects <i>A. Galindo (Spain)</i> 16:15 - 16:45 Early Prenatal Assessment <i>W. Plasencia (Spain)</i>	10:15 - 10:45 A Set of Etiological Diagnostic Tools to Elucidate 'Isolated' Ventriculomegaly <i>L. Guibaud (France)</i> 16:15 - 16:45 Tissue Doppler Imaging of the Fetal Heart - Ready for Clinical Use? <i>A. Willruth (Germany)</i>	10:15 - 10:45 Updates on the First-Trimester Scan <i>J. Cruz (Portugal)</i> 13:30 - 14:00 Assessing Myocardial Function with Speckle Tracking & Tissue Doppler <i>C. Enzensberger (Germany)</i> 15:30 - 16:00 Advances in Transvaginal Scanning: Ultrasound Hysteroscopy and FlyThru Imaging <i>B. Smith (UK)</i>

Satellite symposia

Room	Sunday 14 September	Monday 15 September	Tuesday 16 September	Wednesday 17 September
116 + 117	 SAMSUNG MEDISON 13:10 - 14:10 Advances in the Technology and Application of Samsung Ultrasound <i>W. Spittle</i> Morphological assessment in first trimester ultrasound screening <i>E. Quarello (France)</i> When US meets 5D: Fetal long bone and brain <i>J.Y. Kwon (Korea)</i> Fetal echocardiography: complexity made simple <i>TBA</i>	 GE Healthcare 13:10 - 14:10 <i>R. Chaoui (Germany)</i> <i>G. DeVore (USA)</i> <i>B. Benoit (France)</i>	 TOSHIBA Leading Innovation >>> 13:10 - 14:10 Diagnostic Precision for Anatomy and Function <i>C.M. Bilardo (Netherlands)</i> Updates on the First Trimester Scan <i>J. Cruz (Portugal)</i> Fetal Cardiology: Assessment of Myocardial Function by Tissue Doppler Techniques and 2D Speckle Tracking <i>R. Axt-Fliedner (Germany)</i> The Impact of Advanced Ultrasound in Gynaecology - Introduction to the Concept of Ultrasound Hysteroscopy <i>B. Smith (UK)</i>	 PHILIPS 13:10 - 14:10 Providing you the diagnostic answers you need through Philips Innovation Fusion Imaging for Fetal Intervention <i>W. Lee (USA)</i> Intergrowth 21st Study or High Frequency Imaging <i>M. Krapp (Germany)</i> Innovative Ways to Address the Technically Difficult Patient <i>K. Kalache (Germany)</i>

Industry acknowledgements

ISUOG gratefully acknowledges the following industry support for our pre-Congress courses

Supported by an unrestricted educational grant from:			
Saturday	08:30 - 16:50	Updates in prenatal diagnosis: screening for aneuploidy	Room 113
Live scans supported by:*			
Saturday	08:30 - 16:45	Ultrasound in the assessment of gynecological cancer	Room 120 + 121

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

Industry live scan acknowledgements

ISUOG gratefully acknowledges the following industry support for our live scan sessions.*

Sunday	14:25	Assessing the bony structures	Room 116 + 117
Monday	10:45	First trimester echocardiography	
	16:45	Live scan of the pelvic floor	
Monday	08:15	Systematic assessment of the heart using ISUOG guidelines	Room 116 + 117
Tuesday	14:15	Cervical elastography	
Monday	14:15	Myocardial imaging for assessing the fetal heart	Room 116 + 117
Tuesday	10:45	Advanced CNS evaluation	
Tuesday	08:15	How to assess the impact of CHD on the fetal brain	Room 116 + 117
	16:45	Evaluating pelvic mobility: "the sliding sign"	
Wednesday	08:15	Soft palate abnormalities	
Tuesday	14:15	Quantative ultrasound using textural analysis	Room 116 + 117
Wednesday	10:45	Multiplaner nuerosonography in practice	
	14:15	1st trimester fetal brain	

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Exhibitor profiles

Alpinion Medical Systems **Booth no: 22**

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Ariosa Diagnostics **Booth no: 11**



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

astrai software gmbh **Booth no: 10**

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E: sales@astrai.com
W: <https://www.astrai.com/en/>

astrai is a market leader and pioneer in obstetric and gynaecological database applications.

Founded in 2000, its headquarters are in Munich, Germany, with a dedicated team of 30 employees as well as local sales partners, supporting more than 1,000 customers worldwide.

astrai offers high-end solutions that are up-to-date with the latest scientific data, highly optimised work-flow and flexible approach.

astrai has been translated into more than 25 languages and is available in several regional configurations.

CAE Healthcare **Booth no: 25**

Robert Koch Str. 50, Mainz D-55129, Germany
T: +44 781 2577 029
C: *Jamie Stuart*
E: jamie.stuart@cae.com
W: www.caehealthcare.com

CAE Healthcare delivers leading-edge simulation training solutions to hospitals, physicians, nurses, students, emergency responders and the military around the world. Each product is developed in partnership with clinicians and clinical educators whose aim is to ensure physiological accuracy and educational relevance.

Visit the CAE Healthcare booth to learn about our advanced imaging simulators and phantoms designed to increase competence in diagnostic and interventional ultrasound skills.

Exhibitor profiles

ContextVision **Booth no: 12**

Kungsgatan 50, 11135 Stockholm, Sweden
T: + 46 8750 3550
F: + 46 8750 5494
C: *Lilian Arvedson*
E: info@contextvision.se
W: www.contextvision.se

Since 1983, ContextVision has been a leading provider of image enhancement software to the global medical imaging industry, with the versatile GOP® technology at the core of all our imaging solutions. We play a key role in helping manufacturers by offering clinicians unparalleled diagnostic image quality, ultimately providing patients with better care. ContextVision continues to offer the latest software and expertise within ultrasound, x-ray, magnetic resonance imaging, mammography, fluoroscopy and computed tomography. Our groundbreaking technology and lengthy expertise have granted us a pioneer position within 2D/3D/4D image enhancement across multiple modalities.

Cook Medical **Booth no: 3 + 4**

O'Halloran Road, National Technology Park,
Limerick, Ireland
T: +353 61 239352
W: www.cookmedical.com/rh

Cook Medical Reproductive Health provides physicians with a comprehensive offering of medical devices for the reproductive system. Cook Medical is committed to education, research, and collaboration with physicians to enhance patient care for women and men throughout their reproductive lives, from diagnosis to post-delivery.

Esaote **Booth no: 28**

Via de Caciolle 15, 50127 Florence, Italy
T: +3905542291
C: *Anouk Pluijmeekers*
E: info@esaote.com
W: 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 (28) to meet our complete product line-up, which provides 4D imaging on top of portability and many others solutions to meet your expectations.

FetView **Booth no: 8**

18 Rampayne St, London, SW1V 2TQ, United Kingdom
T: +44 203031081728
C: *David Dostal*
E: info@fetview.com
W: www.FetView.com

FetView is a modern online software solution for interpreting and documenting pregnancy and gynecology ultrasound examinations, offering the possibility to share results with patients and colleagues via their separate online accounts. FetView transfers images and measurements from ultrasound devices and allows for the creation of professional reports perfectly tailored to the needs of each specialist.

Exhibitor profiles

Hitachi Medical Systems Europe **Booth no: 29****HITACHI**
Inspire the Next

Sumpfstr 13, 6300 Zug, Switzerland
 T: +41 41 748 63 33
 E: welcome@hitachi-medical-systems.com
 W: www.hitachi-medical-systems.com/
www.hitachi-alka.co.jp/english

Our new ARIETTA platforms offer advanced technologies useful to identify risk factors during 1st trimester pregnancy, allowing early assessment of the fetal heart and chromosomal aneuploidies and ensuring a confident determination of the contractile properties of the myocardium.

Experience innovative 4D and RVS imaging fusion technique who open a world of possibilities for mother and child.

Discover ARIETTA at booth 29 and join our live demo sessions in hospitality room 128.

GE

Booth no: 30

Beethovenstrasse 239, D42665
 Solingen, Germany
 T: +31 611 951843
 C: *Heleen van Weel*
 E: heleen.vanweel@ge.com
 W: www3.gehealthcare.com/en/Global_Gateway

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

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www.tryarietta.com

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Exhibitor profiles

Illumina

Booth no: 13**illumina**

5200 Illumina Way, San Diego, CA 92122
 T: (858) 202-4500
 F: (858) 202-4766
 C: *Jennifer Havlek*
 E: jhavlek@illumina.com
 W: www.illumina.com

Illumina is a leading developer and manufacturer of life science tools and integrated systems for the analysis of genetic variation and function. Illumina's Reproductive and Genetic Health solutions use next-generation sequencing (NGS) technology and advanced microarrays to generate comprehensive, accurate genomic information to assist healthcare providers and patients in making informed decisions for their reproductive health and well-being. Our technology accelerates genetic analysis research and its application, paving the way for molecular medicine and ultimately transforming healthcare.

ISUOG

ISUOG lounge**isuog**.org

122 Freston Road, W10 6TR, London, UK
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 C: *Michael Semmence*
 E: info@isuog.org
 W: www.isuog.org

With 8500 members in 126 countries, ISUOG is the leading international society representing professionals in ultrasound for obstetrics and gynecology. All fully paid delegates are now enrolled as members of ISUOG for 2015 and can immediately access our many member benefits including On Demand (our Congress web portal) and over 400 web lectures. Reduced fees to attend our 2015 World Congress in Montréal, Canada (11 - 14 October 2015) also apply! Visit the ISUOG lounge to find out more about membership and browse your benefits.

IQ Medical Ventures B.V.**Booth no: 6**

Delftechpark 26, 2628 XH Delft, The Netherlands
 T: + 31 15260 0955
 F: + 31 15890 1777
 C: *Leo Van Der Hoek*
 E: sales@iq-medicalventures.com
 W: www.iq-medicalventures.com

IQ Medical Ventures is a medical device revolving incubator company. We develop bright ideas from physicians into simple products for the daily practice. We strive to make life easier for both the patient and the physician. IQ Medical Ventures markets two products in the field of gynecological ultrasound imaging (hysterosalpingo foam sonography and gel instillation sonohysterography). The basis for these two products is ExEm® gel.





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Exhibitor profiles

Karl Storz GmbH & Co. KG

Booth no: 1

Mittelstrasse 8, 78532, Tuttlingen, Germany
T: +49 7461 708 8746
F: +49 7461 708 377
C: Yannik Weber
E: Yannik.Weber@Karlstorz.com
W: www.karlstorz.com

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 6700 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications.

Medaphor

Booth no: 35

Suite 4, Cardiff Medicentre, Heath Park, Cardiff, CF14 4UJ, UK
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F: +44 2920 750 239
C: Iain Dunbar
E: iain.dunbar@medaphor.com
W: www.medaphor.com

Medaphor is a global ultrasound training company, selling the award winning ScanTrainer ultrasound training simulator. The virtual reality simulator combines 'real-feel' haptic simulation with real patient scans and curriculum-based interactive learning to provide fast and effective 24/7 ultrasound training in a non-clinical environment. ScanTrainer's unique Scantutor learning software takes simulation based-ultrasound learning to a new level by replicating the Gold Standard training practice of one-on-one expert tuition.



Mides Healthcare Technology GmbH

Booth no: 14

Weinholdstrasse 33, 8010 GRAZ
T: +43 (0) 316 426500
F: +43 (0) 316 426500 (ext. 3)
C: Dr Hannes Fliesser
E: epm@mides.com
W: www.mides.com

MIDES, the leading European service provider for medical ultrasound systems, has become, by establishing its own high-tech research lab, the specialist for the repair of ultrasound Probes, Standard and TEE (Transesophageal Echocardiography) Probes*. The company's goal is to expand the market presence in the area of Probe repair across Europe.

*MIDES is certified according to ISO9001 and ISO13485

Mindray

Booth no: 19

Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, PR China
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F: +86 0755 26582500
C: Shane Chu
E: intl-uis@mindray.com
W: www.mindray.com

Mindray's ultrasound solutions span the entire range from B/W hand-held ultrasound devices to portable and cart-based colour Doppler systems. Global ultrasound R&D platform which is led by the Seattle Ultrasound R&D centre allows Mindray to quickly develop products most needed by obstetricians and gynaecologists.

Cutting edge technologies such as the patented 3T Transducer Technology, iLive and MedSight enable Mindray ultrasound solutions to create a name for them within the premium-level ultrasound segment.

Exhibitor profiles

Nanosonics Limited**Booth no: 9**

Unit 24,566 Gardeners Road, Alexandria NSW
2015, Australia
T: +61 2 8063 1600
F: +61 2 9317 5010
C: *Tara Croft*
E: info@nanosonics.com.au
W: www.nanosonics.com.au

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

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

Natera**Booth no: 5**

201 Industrial Road, Suite 410,
San Carlos, CA 94070
T: 1-650-249-9090
US toll free: 1-877-476-4743
E: info@natera.com
W: www.panoramatest.com

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

PerkinElmer**Booth no: 26**

Mustionkatu 6, 20750 Turku, Finland
T: +358 2 2678 111
C: *Tarja Ahola*
E: tarja.ahola@perkinelmer.com
W: www.perkinelmer.com/MaternalFetalHealth

PerkinElmer is a global company focused on improving the health and safety of people and their environment.

The company supplies instruments, test kits and risk calculation software to screen for pregnancy abnormalities.

As a pioneer in methods for prediction of pre-eclampsia, PerkinElmer offers a growing portfolio of innovative products based on the PIGF serum marker.

PIGF also has value as a Down syndrome marker. Various other 1st and 2nd trimester aneuploidy markers are reliably detected by PerkinElmer serum or dried blood spot screening assays. In addition, the Prenatal BoBs™ product allows molecular karyotyping.

Philips Healthcare, Ultrasound**Booth no: 31**


22100 Bothell Everett Highway, Bothell, WA 98021
T: +1 (425) 487-7000
C: *Terri Richardson*
E: terri.richardson@philips.com
W: www.medical.philips.com

Philips is advancing the capabilities of ultrasound across a growing spectrum of clinical applications and making it available to more people around the world.

We accomplish this by developing innovative systems and tools that meet the needs of our customers:

- Optimal image quality for confident diagnosis
- Advanced features for greater efficiency
- Smart design, intuitive functionality
- Reliability and customer service

We will feature experts demonstrating clinical solutions using our portfolio of products throughout the week. Please join us to experience Philips innovation for yourself.

Exhibitor profiles

Samsung Medison**Booth no: 23****SAMSUNG MEDISON**

3366, Hanseo-ro, Nam-myeon, Hongcheon-gun,
Gang-won-do, Korea
T: +82 2 2194 1131
F: +82 2 556 9537
C: *Hyemi (Pia) Park*
E: hm11.park@samsungmedison.com
W: www.samsungmedison.com

Life begins with health and happiness based on Samsung's cutting-edge technologies. Samsung Medison is a global leader in manufacturing medical devices. Founded in 1985, the company sells cutting-edge diagnostic ultrasound devices around the world across various medical fields. The company attracted global attention in 2001 through the introduction of Live 3D technology. In 2011, Samsung Medison became an affiliate of Samsung Electronics, integrating world's best IT, image processing, semiconductor and communication technologies into diagnostic ultrasound systems.

Schallware Ultrasound Simulator**Booth no: 34**

Hobrechtsfelder Chaussee 172D, D- 13125
Berlin, Germany
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F: +493029006110 – 5
C: *Gernot Jehle*
E: info@schallware.de
W: www.schallware.de

Schallware is manufacturer of ultrasound simulators since 2008.

Schallware offers original ultrasound data in high resolution and is able to present real pathologies. Until now about 50 systems were sold to universities and simulation centres from Vladivostok, Frankfurt to San Antonio.

Schallware runs more than 30 courses with up to 10 simulators yearly as a rental service.

Sequenom Laboratories**Booth no: 15 + 16**

3595 John Hopkins Court, San Diego, CA92121
T: +1 877 821 7266
F: +1 858 202 9205
E: info@sequenom.com
W: www.laboratories.sequenom.com

Better results. Born of better science. Sequenom Laboratories, a wholly owned subsidiary of Sequenom, Inc., is a molecular diagnostics laboratory dedicated to improving patient care by offering laboratory-developed tests for prenatal conditions. We introduced the first of its kind noninvasive prenatal testing (NIPT) for pregnant women at increased risk for fetal chromosomal abnormalities with the MaterniT21™ PLUS test, and have since expanded the test to include the Enhanced Sequencing Series with select microdeletions. We now offer the VisibiliT™ prenatal test.

OsCare Medical**Booth no: 2**

Äyritie 22, FI-01510 Vantaa, Finland
T: +358 40 732 4904
C: *Mervi Turunen*
E: mervi.turunen@oscaremedical.fi
W: www.oscaremedical.com

OsCare Medical markets a small, easy to use ultrasound based device for bone health assessment. The device enables effortless and reliable screening for osteoporosis, a major health concern. The measurement is performed on the wrist.

The device uses low frequency (200 kHz) ultrasound that travels deep in the bone cortex, and houses several ultrasonic heads and an operational logic, that provide good correlation with cortical thickness, mineral density and elasticity of the bone.



Workflow meets wow

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Exhibitor profiles

Sidra Medical and Research Centre **Booth no: 17**

Al Nasr Tower Al Coriche, PO BOX 26999,
Doha, Qatar
T: +974 4404 2333
C: *Hamda Zain Al Abdeen*
E: hamda@sidra.org
W: www.sidra.org

Sidra Medical and Research Center is a groundbreaking hospital, research and education institution, in Doha, Qatar, that will focus on the health and wellbeing of women and children regionally and globally. Sidra will be a fully digital facility, incorporating the most advanced information technology applications in clinical, research and business functions. Sidra will initially have around 400 beds with infrastructure to enable expansion to 550 beds in a subsequent phase.

Siemens Healthcare **Booth no: 20**

Healthcare Sector, HCC 412 Kerstin Eyrych,
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F: *Roland Koenig*
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W: www.siemens.com/healthcare

The Siemens Healthcare Sector is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single. By optimizing clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective.



Simbionix USA Corporation **Booth no: 33**

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W: www.simbionix.com

Simbionix, the world's leader in medical training and simulation, features the U/S Mentor™, a high end ultrasound simulator which enables practice for various scenarios of routine or emergency Transvaginal Sonography, including early IUP, ectopic pregnancy, fibroids and more.

Realistic simulation, designated skill tasks and procedural tasks, diverse diagnostic scenarios and captured metrics help promote clinical hands-on proficiency.

Step-by-step procedural tasks allow self-learning of the standard positions to be demonstrated in TVS protocols.

SonoScape **Booth no: 24**

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518051, China
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F: +86 755 2652 6612
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E: Victoria.qiu@sonoscape.net
W: www.sonoscape.com

Since its establishment, SonoScape has been committed to providing high quality medical equipment for the healthcare sector. SonoScape specializes in the development and production of diagnostic ultrasound solutions. By introducing advanced imaging techniques, SonoScape has improved diagnostic accuracy, therefore enabled better health outcomes. Since 2002, SonoScape has reached and benefited millions of people. With the world in mind, SonoScape will continue providing more effective and accessible healthcare solutions, through persistent innovation and passion for life.

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Toshiba Medical Systems Booth no: 21

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W: www.toshiba-medical.eu

For over 130 years Toshiba's research and development has improved the health and welfare of people around the world. Today, Toshiba Medical Systems offers a full range of diagnostic imaging products and is a reliable service partner in more than 110 countries. In accordance with our Made for Life™ commitment, we will continue to develop innovations that improve patient care and provide lasting quality for a lifetime of value.

Transmural Biotech S.L Booth no: 27

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W: www.transmuralbiotech.com

Transmural Biotech is dedicated to develop innovative products and services specialized in the image analysis technologies. Our product, quantusFLM, is the FIRST 100% non-invasive fetal lung maturity test in the market. It is a test based on the analysis of the ultrasound image of the fetal lungs. quantusFLM is able to deliver reliable results in less than 10 minutes. Visit stand 27 or www.quantusflm.com for a demo or more information.

Tristel Solutions Limited Booth no: 18

Lynx Business Park, Fordham Road, Snailwell, Cambridgeshire, CB8 7NY
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W: www.tristel.com

Tristel is a global manufacturer of unique infection control solutions. Our patented Chlorine dioxide chemistry is at the core of our business and incorporated into products such as the globally recognised Tristel Wipes System and Duo for Ultrasound. Both products are renowned for their speed, efficacy, compatibility and safety. Visit stand 18 for a product demo and more information.

Wisepress Ltd Booth no: 8

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W: www.wisepress.com

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Frequently asked questions

Your questions answered at the Congress, how to...

Receive your ISUOG membership number

ISUOG has three tiers of membership; all Congress attendees who were not ISUOG members when they registered have been given 'core' membership for 2015. Welcome! Come and visit us at the ISUOG Lounge in the exhibition hall to discuss your member details.

Find out about your ISUOG membership entitlements

Turn to our membership guide on page 9 or speak to the team at the ISUOG Lounge.

Upgrade your ISUOG membership to receive the journal at reduced prices

At the Congress, upgrade at the registration desk during its designated opening times. There are two upgrade options; upgrade to online to access the journal online and via the new app, or upgrade to full to also receive print copies of the journal every month.

Learn about submitting a research paper to UOG

If you have new research to share and submit for publication in Ultrasound in Obstetrics and Gynecology, the Editorial team can be found at the ISUOG Lounge and would be happy to answer your questions.

Exercise your voting rights as an ISUOG member

Attend the AGM on Sunday 14 September from 12.10 – 12.50 in the Auditorium.

Send a special video message to your fellow members

Visit the ISUOG Lounge to record your message about what ISUOG means to you and to wish your fellow members a very happy birthday, ahead of our 25th birthday celebrations in 2015.

Find out about ISUOG events and opportunities near you

Did you know ISUOG runs around 40 approved courses each year? In 2014 these courses have already reached 26 countries. Come and see the team at the ISUOG Lounge to find out what activities are happening around the world and near you or to apply to approve your own high quality program.

Find an ISUOG ambassador from your country or region

ISUOG's new regional ambassadors are listed on page 12 of this program and are easily identifiable at the Congress via their red lapel pins.

Check your Congress presentation is uploaded in time for your session

Check that your Congress posters were uploaded prior to the Congress at any of the On Demand computers on the ISUOG Lounge (in the exhibition hall) or via the interactive digital signage in the foyer at any time.

Upload, check or modify presentations

If you are a speaker in an oral session you should attend the speaker preparation room to check your talk. The speaker preparation room is located in Room 134 and is open as per page 5 of this program. The technical team will be on hand to help you upload your presentation. This service does get very busy so please leave yourself plenty of time; arrive at least 4 hours before your session and preferably the day before.



View an electronic poster

Electronic posters are not presented orally but rather, are available throughout the Congress on the ISUOG Lounge On Demand viewing terminals.

Register for a Meet the Professor session

You do not need to pay any extra fees to attend a Meet the Professor lunch session, but places are strictly limited to 10 attendees per expert. Register between 15:00 and 18:00 the day before the session at the Congress registration desk. Places will be allocated on a first come, first served basis.

See a live scan

Sessions which include live scan demonstrations are clearly marked on the program at a glance on pages 14 - 17.

Access sessions that you missed

All Congress sessions are recorded and available on the ISUOG On Demand platform. Catch up on sessions you missed at the computer terminals on the ISUOG Lounge or via the interactive digital signage in the foyer.

Collect or purchase your Congress party ticket

If you have pre-purchased a party ticket, this will be given out at registration with your badge. If you would like to purchase a ticket, you can do so at the registration desk during the designated opening times.

Get to the Congress party on time

You will pick up any pre-purchased Congress party bus tickets from registration when you first register onsite. You can also purchase tickets onsite from registration though spaces are limited so do so early to avoid disappointment.

Receive your certificate of attendance

Your certificate of attendance will be emailed to you after the event. However you must complete and submit your evaluation form at registration before 18:00 on Wednesday 17 in order to receive your certificate.

Receive a tax receipt for your registration

Contact isuog2014@contendam.com

Explore the sites of Barcelona

Collect a copy of our LOC visitor guide which provides local tips and travel advice, as prepared by the Local Organising Committee, from the registration desk or online at isuog.org/worldcongress

Submit an abstract for the ISUOG Congress next year

Abstract submissions will be accepted from January to 1 April 2015. Follow the instructions published at isuog.org/WorldCongress to submit your original research.

Register to attend the Congress in Montréal 2015

Registration for next year's World Congress opens in January 2015. All ISUOG members can take advantage of reduced registration rates but register online at isuog.org/WorldCongress before 11 August to receive further early bird discounts.

ISUOG meetings

Date	Start time	End time	Meeting (secretary)	Meeting room
Friday 12 September	12:00	15:00	Bids Committee	Hilton Diagonal Mar
	15:15	16:15	Finance Committee	Hilton Diagonal Mar
Saturday 13 September	09:00	17:00	ISUOG Board meeting	VIP room
Sunday 14 September	13:00	14:00	Advisory Members Lunch	VIP room
	14:15	15:45	Editorial Board	VIP room
Monday 15 September	08:30	09:45	Board inductions	Room 130
	08:30	09:30	Safety Committee	Room 129
	09:30	10:30	Clinical Standards Committee	Room 129
	10:30	12:30	UOG Tender Committee	Room 130
	11:30	12:30	Perinatal Doppler SIG	Room 129
	12:30	14:00	Outreach Committee	Room 129
	12:30	13:45	Journal Editors	Room 130
	14:00	15:00	Membership Development Task Force	Room 129
	14:00	15:00	Simulations Task Force	Room 130
16:15	17:15	Gold Medal Committee	Room 129	
Tuesday 16 September	08:00	09:00	Nominations Committee	Room 129
	08:30	09:30	Basic training	Room 130
	09:00	10:00	3D SIG	Room 129
	10:00	11:00	CME task force	Room 130
	10:00	11:00	Fetal MRI SIG	Room 129
	12:00	13:00	Patient Information Group	Room 131
	11:00	12:30	Scientific Committee	Room 129
	13:00	14:00	Young Investigators Lunch	Room 130
15:30	17:00	Education Committee	Room 129	
Wednesday 17 September	09:30	10:30	Fetal Heart SIG	Room 129
	10:45	12:00	ISUOG Board meeting	Room 130
	12:45	13:45	Exhibitors' Closing Meeting	Room 129
	14:00	15:00	Montréal Local Organising Committee	Room 130

A SNAPSHOT OF 2013/14

8361 ISUOG members

+20% (av. increase p/ yr, 2009 - 2014)

126 countries

6 intensive education courses

11% increase in members in Asia

40 approved courses across 26 countries

1826 attendees at our 23rd World Congress

76 NEW web lectures on our website

130 trainees trained to date on ISUOG Outreach projects

72 articles submitted to UOG each month

255,034 average journal downloads p/month

Journal impact factor 3.14

10,111 Facebook Fans

80m² of education space in ISUOG's new office...



ISUOG would like to thank the following industry partners for their support of the 24th World Congress:

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