

## 14th World Congress on Ultrasound in Obstetrics & Gynecology

31 August – 4 September 2004  
Stockholm International Fairs, Stockholm, Sweden

30 CME credits available from the EACCME  
see page 11 for details

# Final Program



Organised by the  
International Society of  
Ultrasound in Obstetrics  
and Gynecology  
[www.isuog.org](http://www.isuog.org)

# Critical Information

## Registration Opening Hours

The registration area is located in the main entrance hall and will be open during the following times:

Tuesday, 31 August 2004 - 09.00 - 18.00  
Wednesday, 1 September 2004 - 07.30 - 18.00  
Thursday, 2 September 2004 - 08.00 - 17.30  
Friday, 3 September 2004 - 08.00 - 17.30  
Saturday, 4 September 2004 - 08.00 - 17.30

## Exhibition

The exhibition will be open during the following times:

Wednesday, 1 September 2004 - 09.30 - 20.00  
Thursday, 2 September 2004 - 09.30 - 17.30  
Friday, 3 September 2004 - 09.30 - 18.00  
Saturday, 4 September 2004 - 09.30 - 14.30

## Speakers Preparation

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. Speakers presenting in the morning should check in the day before.

The speakers preparation room is located adjacent to the registration area and will be open during the following times:

Tuesday, 31 August 2004 - 14.00 - 18.00  
Wednesday, 1 September 2004 - 07.30 - 18.00  
Thursday, 2 September 2004 - 08.00 - 17.30  
Friday, 3 September 2004 - 08.00 - 17.30  
Saturday, 4 September 2004 - 08.00 - 17.30

PowerPoint poster presenters MUST drop off their PowerPoint slide the day before the scheduled day for poster presentation to ensure that their poster is included. Those presenting on Wednesday 1st September may drop their slides off between 08.00 and 08.30am on Wednesday. Please note that the organisers cannot guarantee that PowerPoint posters can be included in the presentation if they are not received within the required times.

**NB: Chairpersons, speakers and poster presenters must refer to the guidelines on page 8 of this brochure.**

## Scientific Program Hours

The scientific program sessions will take place in the session halls which are located off the main foyer or the gallery foyer. Please refer to the program for the exact location and timing of each session.

Sessions will take place during the following times:

Tuesday, 31 August 2004 - 10.30 - 18.00  
Wednesday, 1 September 2004 - 08.30 - 18.00  
Thursday, 2 September 2004 - 08.30 - 17.15  
Friday, 3 September 2004 - 08.30 - 18.00  
Saturday, 4 September 2004 - 08.30 - 17.00

## ISUOG Meetings

### ISUOG Annual General Meeting

All full paid delegates are automatically enrolled as ISUOG members and invited to attend the AGM

Friday, 3 September 2004 - 12.00 Room K24

For details of scheduled ISUOG committee meetings please refer to the inside back cover of this brochure.

# Welcome Message

It is my privilege to welcome you to the 14th World Congress on Ultrasound in Obstetrics and Gynecology in Stockholm. The ISUOG Scientific Committee and Local Organizing Committee are pleased to present an exciting final program and some unmissable social events in the pages that follow! Our scientific program format is based on the successful 2003 World Congress in Paris. We put into focus the latest research findings alongside live and video demonstrations in the same subject areas, backed up by discussions of both theoretical and practical aspects of diagnostic ultrasound. The live demonstrations are included as an integrated part of the mainstream program. We are grateful to over 100 world experts who have kindly agreed to participate in our program this year, and are delighted to know from the 600 abstracts received that active research is alive and well amongst our delegates too! Some of the new features of our program include the informal chaired discussions of selected scientific posters and the new "PowerPoint poster" format - we hope you will find time to enjoy a drink with friends and colleagues as you explore these new activities.

Don't miss an insight into some typical Swedish summer festivities at our 'crayfish-and-snaps' party on Friday night! In the meantime I wish you all some enjoyable days in Sweden's capital city, and a very warm welcome.



Karel Maršál  
Congress Chairman, ISUOG President

**Organising Committee****Chairman**

- Karel Maršál

**Co-Chairman**

- Sturla Eik-Nes

**Local Organising Committee**

- Harald Almström
- Ellika Andolf
- Ove Axelsson
- Seth Granberg
- Saemundur Gudmundsson
- Rose-Marie Holst
- Pentti Jouppila
- Göran Lingman
- Peter Malcus
- Lars-Åke Mattsson
- Ann Tabor
- Lil Valentin
- Magnus Westgren

**ISUOG Board****President**

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**President Elect**

- Lawrence Platt, USA

**Past President &****Chair - Education Committee**

- Sturla Eik-Nes, Norway

**Secretary**

- Joshua Copel, USA

**Treasurer**

- David Nyberg, USA

**Chair - Scientific Committee\***

- Yves Ville, France

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- Rabih Chaoui, Germany
- Yoshide Chiba, Japan
- Lachlan De Crespigny, Australia
- Enrico Ferrazzi, Italy
- Kurt Hecher, Germany
- Davor Jurkovic, UK
- Dev Maulik, USA
- Dario Paladini, Italy
- Anna Parsons, USA
- Waldo Sepulveda, UK
- Ann Tabor, Denmark
- Dirk Timmerman, Belgium
- Lil Valentin, Sweden

**Executive Director**

- Sarah Johnson

**\*Scientific Committee**

- Tom Bourne
- Enrico Ferrazzi
- Steven Goldstein
- Davor Jurkovic
- Karel Maršál
- Basky Thilaganathan
- Dirk Timmerman
- Lil Valentin

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## PROGRAM

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Accommodation	IBC
ISUOG Business Meetings	IBC



# Social Information

## Social Functions

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

## Welcome Drinks

### Wednesday, 1 September 2004

17.30-19.30

Welcome drinks will be held in the exhibition area (hall AA).

Cost per person:

Fully registered delegates and Complimentary

registered accompanied persons

Day delegates/additional tickets £25.00

## City Hall Reception

### Thursday, 2 September 2004

18.00-20.00

The city of Stockholm will host delegates at a reception at Stockholm City Hall, home of the Nobel Prize dinners.

Cost per person:

Pre registered full delegates and Complimentary

accompanied persons

*NB: although this event is complimentary, delegates must have pre-registered to attend and hold a ticket in order to be allowed access on the door.*

## Congress Party

Don't miss a typical Swedish crayfish-and-snaps party on the island of Skeppsholmen, which offers unforgettable views of the Stockholm Royal Castle and Old Town. Drinks on the terrace accompanied by Swedish musicians, will be followed by snaps songs while you enjoy a Swedish feast including crayfish and traditional beverages. Dinner will be followed by more music and dancing.

Dress: Smart casual

Cost per person: £75.00

## Optional Tours

The following optional tours are being offered. Tour tickets can be purchased from the registration desk.

### City Tour

#### Tuesday, 31 August 2004

10.30-12.00

See the city of Stockholm in all its splendour. Situated on 14 islands, Stockholm may be surrounded by water but it is also has many green areas, as well as a plethora of interesting cultural sights. On this bus tour you will learn about Stockholm's history and culture as well as discovering all the information you need about shopping, restaurants and current events.

Cost of tour: £25.00 per person



### City Tour with a visit to the Vasamuseum

#### Thursday, 2 September 2004

12.30-16.30

You will discover that Stockholm is built on islands connected by numerous bridges. The tour will take you to the most interesting parts of the city including the city centre, the Old Town, Fjällgatan and Stockholm City Hall. The tour continues with a visit to the historical Warship Vasa.

Cost of tour: £35.00

### Drottningholm Tour

#### Friday, 3 September 2004

12.30-16.30

Situated on the shore of Lake Mälaren, Drottningholm Palace is today the official residence of the Swedish Royal Family. The tour will show the unique interiors of this 17th century castle and its magnificent surrounding park. You will also be able to visit Drottningholm Theatre, the oldest theatre in the world, preserved in its original state and with its original machinery. The Drottningholm area has been an UNESCO World Heritage Site since 1991.

Cost of tour: £45.00 per person

### Art Tour

#### Saturday, 4 September 2004

09.00-13.00

The tour will allow you to experience two of Stockholm's most fascinating attractions, Millesgården, situated on the island Lidingö - former home to the world famous sculptor Carl Milles. In the beautiful terraced garden his work is on display and from here there is a panoramic view over the eastern parts of Stockholm.

Waldemarsudde lies on the island of Djurgården and is the former home of Prince Eugene - Sweden's "Painter Prince". Prince Eugene was not only a collector of mainly 19th century art but also a wonderful artist. View the Prince's art collection including many of his own paintings

Cost of tour: £40.00

## Tour Disclaimer

Tickets are subject to availability and will be offered on a first come, first served basis. Tours may be cancelled if the minimum numbers are not achieved, with monies refunded in full.

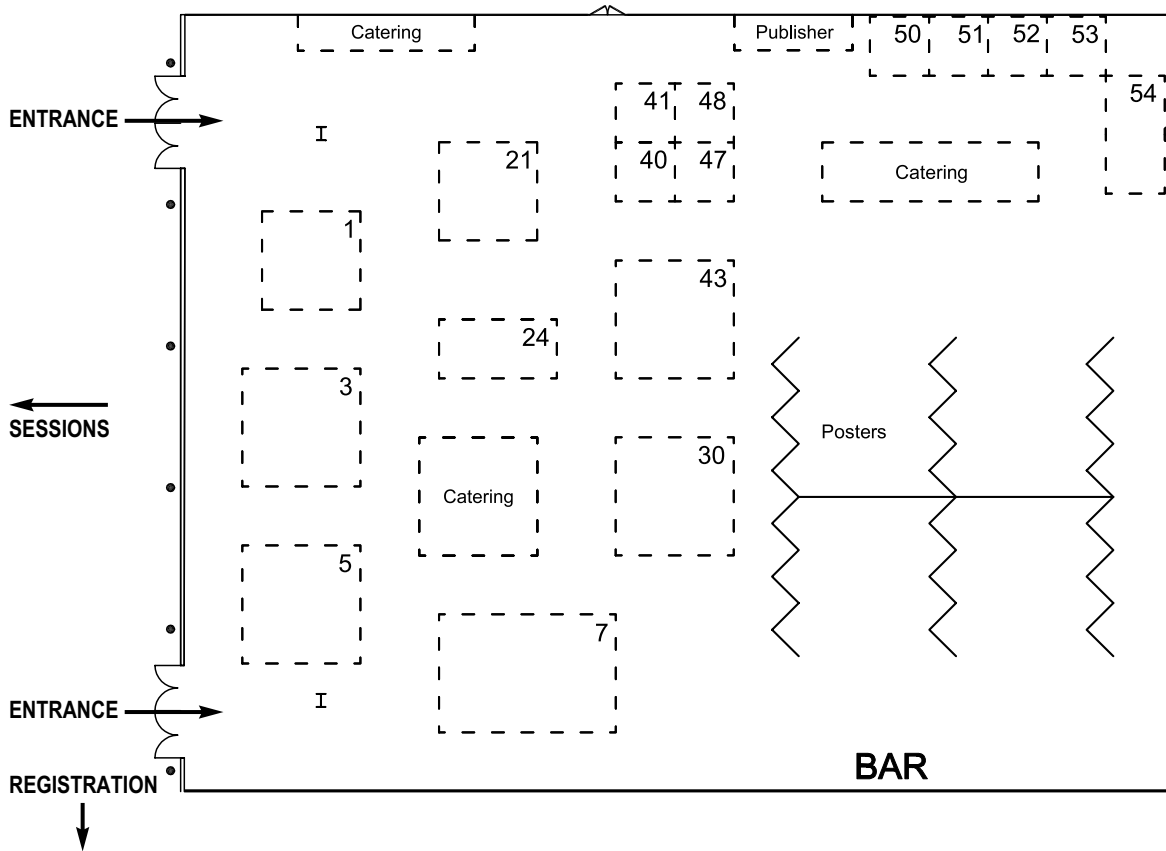
## Accompanying Persons Program

An accompanying persons program is being offered and includes the following...

- Ticket to the welcome drinks - Wednesday, 1 September 2004
- Ticket to the Stockholm City Hall reception - Thursday, 2 September 2004
- Three inclusive tours...
  - Uppsala and Sigtuna - two of Sweden's ancient cities - Wednesday, 1 September 2004
  - City Tour with a visit to the Royal Palace - Thursday, 2 September 2004
  - Old Town walkabout with a visit to the Nobel Museum - Friday, 3 September 2004

The cost of the accompanying persons program is £185.00 - tickets can be purchased from the registration desk.

# Exhibition Floor Plan



## List of Exhibitors

	Stand No.		Stand No.
Aloka Holding Europe AG	7	ISUOG	54
Astraia Software GmbH	48	Karl Storz	53
B-K Medical A/S	47	Medison Co Ltd	30
Brahms AG	40	Mindray	41
Context Vision	51	PerkinElmer	50
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GE Medical Systems/Ultrasound	43	Toshiba Medical Systems Europe B.V.	21
Hitachi Medical Systems Europe Holding AG	24	Wisepress Ltd	Publisher



# Exhibitor Profiles

## Aloka Holding Europe AG

Steinhauserstrasse 74, 6300 Zug, Switzerland  
 Tel: +41 41 748 31 69  
 Fax: +41 41 748 31 66  
 Email: y.lauper@aloka-europe.com  
 Contact: Yvonne Lauper

Stand No: 7

ALOKA Co. Ltd., the world's largest independent and dedicated diagnostic ultrasound company, cordially invites you to Booth Number 7 for a demonstration of its Premium Digital Ultrasound Systems. ALOKA products are based on newest 12 bit Digital Front End technology and offer all fundamental and various enhanced diagnostic features for your applications in Obstetrics/Gynecology.

## Astraira Software GmbH

Stand No: 48

## B-K Medical A/S

Mileparken 34, DK-2730 Herlu, Denmark  
 Tel: +45 4452 8100  
 Fax: +45 4452 8199  
 Email: avj@bkmedpd.dk  
 Contact: Gert Karlsson

Stand No: 47

With our versatility and experience in quality diagnostic ultrasound, B-K Medical serves your ultrasound needs in women's health. Our high performance scanners and large range of application-specific transducers meet your needs easily and effectively.

## Brahms AG

Neuendorfstrasse 25  
 Henningsdorf 16761, Germany  
 Tel: +49 3302 883 825  
 Fax: +49 3302 883 850  
 Email: s.riesberg@brahms.de

Stand No: 40

## Context Vision

Stand No: 51

## ESAOTE S.p.A

International Acitivities, Via Caciolle, 15  
 50127 Florence Italy  
 Tel: +39 055 42291  
 Fax: +39 055 4229208  
 Email: international.sales@esaote.com  
 www.esaote.com

Stand No: 1

Esaote's commitment to continuous innovation in ultrasound technology has resulted in a product line ranging from handheld systems to sophisticated units dedicated to contrast agent enhanced ultrasound scanning. Worldwide, Esaote offers specialised OB/GYN solutions from head to toe! Come to the Esaote Contrast Media Symposium, Wednesday at 12:30 room K15!

## GE Ultraschall Deutschland GmbH

Beethoven strasse 239  
 D-42655, Germany  
 Tel: +49 212 2802 258  
 Fax: +49 212 2802 438  
 Email: martina.emder@med.ge.com

Stand No: 43

GE Healthcare has a vision of accelerating personalized medicine where earlier accurate diagnosis, enabling earlier therapeutic intervention, provides more efficient and effective treatment outcomes, reducing healthcare costs. At this year ISUOG Congress we are presenting a complete range of ultrasound diagnostic systems for women's healthcare the Voluson line. It is as well the first worldwide presentation of the Voluson 730 expert Diamon II the unique Volume Ultrasound system. Visit GE Healthcare at the booth number 43.

## Hitachi Medical Systems

Kreuzberger Ring 66  
 D-65205, Wiesbaden, Germany  
 Tel: +49 611 973 2225  
 Fax: +49 611 973 2210  
 Email: m.vouzelaud@hitachi-medical-systems.com

Stand No: 24



# Exhibitor Profiles

## ISUOG

Unit 4, Blythe Mews  
Blythe Road  
London W14 0HW, UK  
Tel: +44 20 7471 9955  
Fax: +44 20 7471 9959

**Stand No: 54**

ISUOG now represents over 2300 members from 90 different countries. All full paying delegates in Stockholm will automatically registered as members of ISUOG and will receive a 12 month subscription to ISUOG's official journal 'Ultrasound in Obstetrics and Gynecology', as well as special reduced rate fees to attend our 2005 World Congress in Vancouver. Subscription to Ultrasound in Obstetrics and Gynecology includes complimentary online access to all journal articles back to 1991 and 'EarlyView' access to journal articles in advance of print publication. Our publishers, Wileys, will be with us at stand number 54 and will be demonstrating these online journal services. Please visit stand 54 to find out more about membership, Vancouver, or our journal.

## Karl Storz GmbH & Co. KG

Mittelstrasse 8  
D-78532 Tuttlingen, Germany  
Tel: +49 7461 708 115  
Fax: +49 7461 708 377

**Stand No: 53**

Karl Storz is globally well established in all fields of endoscopy and is market leader in rigid endoscopy. The family held company has a world wide presence of 2,800 employees, with its headquarters in Tuttlingen, Germany. Karl Storz has a tradition of almost 60 years and is known for its innovative and high quality products. Today's product range also includes fully integrated concepts for the OR and servicing.

## Medison Co. Ltd.

Medison Venture Tower Annex 997-10  
Daechi-Dong Gangnam-Gu  
Seoul, Korea 135-280  
Tel: +82 2 2194 1145  
Fax: +82 2 2194 1129

**Stand No: 30**

Contact: [Jon Kim \(marketing@medison.com\)](mailto:Jon.Kim@medison.com)

Medison Co. Ltd. is an industry-leading manufacturer of medical ultrasound systems. Medison was founded in 1985 and pioneered the first commercial real-time 3D ultrasound scanner and we offer a complete range of ultrasound products from portable to premium class digital 3D systems.

Come and experience the leader in 3D ultrasound technology at stand 30.

## Mindray Co Ltd

Keji 12th Road South  
Hi-Tech Industrial Park Nanshan  
Shenzhen, 518057, P.R. China  
Tel: + 86 755 2658 2494  
Fax: +86 755 2658 2500  
Email: [lucci@mindray.com.cn](mailto:lucci@mindray.com.cn)  
Contact: Ms Lucci Zhang

**Stand No: 41**

Shenzhen Mindray Co Ltd, a sino-U.S. joint venture, is engaged in the R&D, manufacturing and marketing of medical equipment in the Patient Monitoring, Laboratory Instrument and Medical Ultrasound fields. With an annual sales growing at 40% in recent years, Mindray has positioned itself as one of the largest medical equipment providers in China since its establishment in 1991.

## Perkin Elmer Life and Analytical Sciences

Imperiastraat 8, BE-1930, Zaventem  
Tel: +32 2 719 8025  
Fax: +32 2 717 7918  
Email: [maarten.leemans@perkinelmer.com](mailto:maarten.leemans@perkinelmer.com)  
Contact: Maarten Leemans

**Stand No: 50**

PerkinElmer is a global technology leader providing products and services to customers in health sciences and other advanced technology markets that require innovation, precision and reliability. Operating through three business units - Life and Analytical Sciences, Optoelectronics, and Fluid Sciences - PerkinElmer, Inc. provides scientific instruments, consumables and services to the pharmaceutical, biomedical, environmental testing and industrial markets. [www.perkinelmer.com](http://www.perkinelmer.com)

## Philips Medical Systems

Global Information Centre, P.O. Box 1168  
5602 BD Eindhoven, The Netherlands  
[medical@philips.com](mailto:medical@philips.com)  
[www.medical.philips.com](http://www.medical.philips.com)  
Fax: +31 40 276 4887

**Stand No: 3**

Philips Medical Systems provides a broad portfolio of healthcare solutions. We design best-in-class technologies for ultrasound, X-ray, Computed Tomography (CT), Magnetic Resonance (MR), Nuclear Medicine, PET, radiation therapy planning, catheterization labs, patient monitoring, electrophysiology systems, stress testing, stethoscopes and resuscitation, as well as information technology solutions and award-winning customer services.



# Exhibitor Profiles

## Siemens Medical Solutions

Stand No: 5

European Business Centre  
125-135, Staines Rd., London TW3 3JF  
Tel: +44 20 8479 7950  
Contact: Deborah Shedden

**With new fourSight™ 4D ultrasound imaging technology,** Siemens is moving ultrasound to a higher level of clinical excellence. That's because fourSight 4D technology is one of many breakthroughs of the proven, premium performance SONOLINE Antares™ ultrasound system, making it the single system solution for the widest range of clinical needs. In addition to 4D imaging, you can also count on superb 2D and 3D imaging, excellent Doppler sensitivity, and innovative Clarify™ vascular enhancement technology for superior B-mode tissue boundary detection.

## Toshiba Medical Systems Europe B.V.

Stand No: 21

Zilverstraat 1  
2718 RP Zoetermeer, The Netherlands  
Tel: +31 79 3 689 274  
Fax: +31 79 3 689 444  
Email: jhoogendoorn@tmse.nl

A high quality range of diagnostic systems, including Ultrasound, has made Toshiba one of the world's leading suppliers of medical imaging tools. With a strong commitment to R&D, innovative technology is combined with a range of business services to produce total healthcare solutions. High-end applications are the result of close consultation between Toshiba and leading medical specialists all over the world and not only meet users' most immediate clinical needs, but also provide a solid foundation for a lifetime of diagnostic confidence. Toshiba: Made for Life.

## Wisepress Online Bookshop Ltd

Stand No: Publisher

The Old Lamp Works, 25 High Path  
Merton Abbey, London SW19 2JL UK  
Tel: +44 20 8715 1812  
Fax: +44 20 8715 1722  
Email: bookshop@wisepress.co.uk  
www.wisepress.co.uk  
Contact: Nadia Ahmed

Wisepress Online Bookshop is pleased to present a display of publications chosen especially for ISUOG 2004 from many of the world's leading publishing houses. All the books on display can be ordered/bought directly at the stand or via our website. We can also order you free sample copies of the journals on display and take subscription orders. Whatever your book requirements, Wisepress will be happy to help.



# Sponsors' Live Scanning and Hospitality Program

	K13	K14	K15	K16 & K17
<b>Wednesday 1 September</b>				
AM		<b>GE</b> Meet the experts sessions: Pr Seth Granberg volume ultrasound and its application in gynecology		
LUNCH		Dr Greg DeVore fetal heart - volume ultrasound possibilities.	<b>ESAOTE</b> Contrast media and related technology in gynecology	
PM		Dr. Bernard Benoit various rendering modes of volume ultrasound and their clinical application  Volume ultrasound off-line practice session with the 4Dview software all day		
<b>Thursday 2 September</b>				
AM	<b>PHILIPS</b> Live scan sessions	<b>MEDISON</b> Hands-on experience sessions	<b>SIEMENS</b> Live scanning with new fourSight™ 4D ultrasound imaging technology and innovative Clarify™ vascular enhancement technology on the SONOLINE Antares™ ultrasound system. <i>By invitation only during scheduled break times</i>	
LUNCH	↓	↓		
PM	↓	↓		
<b>Friday 3 September</b>				
AM	<b>PHILIPS</b> Live scan sessions	<b>GE</b> Meet the expert sessions: Pr. Lil Valentin volume ultrasound and its application in gynecology	<b>SIEMENS</b> Live scanning with new fourSight™ 4D ultrasound imaging technology and innovative Clarify™ vascular enhancement technology on the SONOLINE Antares™ ultrasound system. <i>By invitation only during scheduled break times</i>	<b>ALOKA</b> Live scan sessions
LUNCH	↓	Pr Dario Paladini Various rendering modes of volume ultrasound and their clinical application	↓	↓
PM	↓	Pr. Rabih Chaoui Fetal heart - volume ultrasound possibilities  Volume ultrasound off-line practice session with the 4Dview software all day	↓	↓
<b>Saturday 4 September</b>				
AM			<b>SIEMENS</b> Live scanning with new fourSight™ 4D ultrasound imaging technology and innovative Clarify™ vascular enhancement technology on the SONOLINE Antares™ ultrasound system. <i>By invitation only during scheduled break times</i>	<b>ALOKA</b> Live scan sessions
LUNCH				

Sponsors live scan hospitality suites are located on the mezzanine floor. Formal live scan demonstrations take place during advertised break times on each day. It is at the discretion of the sponsor whether invitations are required to attend.



# Chairpersons, Speaker and Poster Presenter Guidelines

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

**The speaker preparation room is located in the VIP lounge near the registration desk on the ground floor.**

## Speakers and poster presenters

- Please check your presentation card (found in your registration pack) to confirm the date, time and location of your session. If you have any questions with regards to your presentation time, please contact the uniformed staff in the speaker preparation room.

## Chairpersons and speakers

- Please ensure that you meet at the front of the session hall 10 - 15 minutes before the start of the session to introduce yourselves, and in order that the chairperson can confirm the format for the session.
- All presentations must be in English as there are no facilities for simultaneous translation. Please ensure that you speak slowly and clearly throughout.
- Unless specifically stated there is no additional time allocated in sessions for discussion. Any questions must be included in the lecture time for each presenter. We recommend you allow 2 minutes within an 8 minute lecture for questions. If speakers fill their full time allocation, then no questions will be allowed.
- The program schedule is extremely tight so all speakers must adhere to the time allocated to them. The chairman will have a reminder light to assist them in keeping time. Should a speaker overrun they will be interrupted by the chairman who will request that the speaker stop. Please be considerate of other scheduled speakers if you are asked to conclude your talk and please do so promptly.

## Applicable to chairpersons only

- There will be a host or 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 a roving microphone within each hall for discussion, which will be managed by the room host/hostess. Please direct the audience at the start of the sessions as to how questions will be managed to ensure the best use of the time available.
- At the start of the session, please ask the audience to turn off all mobile phones and pagers. Please also remind the audience that the recording of sessions is prohibited unless they have specific permission from the speakers.
- Please note that delegates will not be permitted to stand at the back of the hall due to fire regulations.
- Should a speaker not arrive for his/her presentation, please fill in the additional time with discussion, or, provided all other speakers are present please move forward with the program. However please as far as possible please try not to deviate dramatically from the advertised program because delegates will rely on precise timing as they move across sessions.

## Applicable to speakers only

- All speakers must report to the speaker preparation room at least 4 hours prior to the start of the session that they are participating in. You will be able to check your presentation with the audio-visual staff whose responsibility it is to ensure the presentation is sent to the lecture hall prior to the session. All session halls are networked and presentations will be sent from the speaker preparation room to the session halls over the network.
- Presentation direct from a laptop is only permissible if pre-arranged. If you are presenting from your laptop you still need to report to the speaker preparation room at least 4 hours prior to the start of the session that you are participating in.
- If you are presenting a free communication abstract (ie with an 8 minute time slot) please note that you should NOT be presenting the background to your particular study or data set. This can be repetitive if several related studies are to be presented, and will be covered separately within the session if considered necessary. Time is short, so please keep your talk concise and focus only on your NEW data.

## Poster presenters

- Posters will be changed daily and will be on display for one day in the Congress exhibition area from Wednesday 1 September - Saturday 4 September 2004. You will have been previously informed of the day of your poster presentation. Please refer to the schedule below for the display, availability, installation and removal times.
- Presenters should in any case be available to answer questions at the times indicated. For those sessions where a chaired poster discussion session is scheduled (please refer to the enclosed program if you are unsure), presenters should arrive at the relevant poster area at least 15 minutes prior to the listed start time for the discussion group.

## Applicable to traditional (hard copy) poster presenters only

- Posters must be removed according to the times above on the day that your poster is being presented. In the event that your poster has not been removed by the time stipulated, the poster will be taken down and disposed of by the Congress staff. ISUOG and the Congress Secretariat cannot be held responsible for destroyed/lost posters that were not removed by the stipulated time.
- A display board giving a display area of approximately 900mm (width) x 1000mm (length) will be provided for your poster
- A header panel with your poster number will be provided. This will not include the title of your poster
- The poster display boards are Velcro compatible. Velcro will be provided to all poster presenters at the Congress. Should you require additional Velcro, this can be obtained from the speakers' preparation room.
- If you wish to keep your poster tube/container, please take these to the speakers' preparation room for storage. Please note that these are left at your own risk.

## Applicable to PowerPoint poster presenters only

- PowerPoint posters should have been emailed in advance of the Congress to the audio-visual team at the Congress venue.

# Chairpersons, Speaker and Poster Presenter Guidelines

- Presenters that have not emailed their PowerPoint posters in advance may check-in their posters at the speaker preparation room on the day PRIOR to the day of presentation. If you do not adhere to this, the organisers cannot guarantee that your poster will be included.
- On the day of presentation, PPT posters will be presented on a continuous rolling loop within the relevant themed poster session area and alongside the hard copy posters.



## Poster display times

DAY	POSTER DISPLAY TIME	BE AVAILABLE AT YOUR POSTER DURING THE FOLLOWING BREAK PERIODS	INSTALL	POSTER REMOVAL
Wednesday 1 September Friday 3 September	09:30 - 18:00	10:00 - 10:30, 12:00 - 12:30, 15:00 - 15:30 Discussion groups: 17:00 - 17:45	08:00 - 09:30	By 18:00
Thursday 2 September		10:00 - 10:30, 12:45 - 14:00, 15:30 - 16:00 Discussion groups: 12:00 - 12:45		By 18:00
Saturday 4 September		10:00 - 10:30, 12:45 - 13:30 Discussion groups: 12:00 - 12:45		By 14:30

## Invited Speaker Declarations

**J.S. Abramowicz** Consultant for Philips Ultrasound

**A.A. Baschat** For the purpose of live demonstration I intend to use a donated ultrasound system (Acuson Sequoia)

**B. Benoit** GE, using donated scanning equipment, consulting committee for research and development of GE

**P. Burns** Research support from Philips, Siemens, Bristol-Myers Squibb, Toshiba

**R. Chaoui** I have agreed to give a lecture at a lunch time session on behalf of GE

**H. Gardiner** I have worked with Siemens in my role as medical advisor to the echo UK charity, the fetal heart charity ([www.echocharity.org](http://www.echocharity.org)) to produce a free educational poster for obstetric sonographers

**D. Jurkovic** Aloka has donated an ultrasound machine to my NHS Department for the purpose of training in gynaecological ultrasound

**C. Lees** I am director of a bi-ennial ultrasound scan course that uses loaned Siemens equipment

**K. Marsal** Philips gave support to the author's research on Power Doppler ultrasound

**D. Maulik** I have research relationship with GE and Philips. I do not serve on any consulting committee, and have not accepted any personal financial compensation or research grants

**E. Merz** Clinical advising partner of GE

**T.R. Nelson** Equipment loans from various manufacturers

**D. Paladini** I have agreed to participate in GE-sponsored sessions

**A. Parsons** Neither me nor my family have any financial investment of any kind in any ultrasound company. I am on the speaker's bureaux for several ultrasound companies including Philips, Sonosite, Accuson, and GE. This means that my expenses are paid to travel to training sites and that I receive an honorarium for lecturing

**L. Platt** Consultant and research support from GE and Phillips

**B. Tutschek** I have recently accepted an invitation from Philips to speak at their lunch symposium at the above meeting



# Volume Ultrasound

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# Program Orientation

- The **program at a glance** gives you an outline to each day's events including session titles and times, and all refreshment breaks.
- The **program pages** give you the detailed chronological listing of events – please note that most sessions run in parallel so you will need to read through all sessions of similar time to decide which best suits your needs.
- Rooms are colour coded on the program at a glance to assist you in 'navigating' the program. A pocket program showing this program summary is also provided for your convenience.
- In all poster and oral presentation listings the presenting authors' names are underlined.
- All lectures which are supported by free communication abstracts have an 'OC' number listed next to them. You can use this to refer to the abstract book in your congress bag and the detailed abstract.
- Some of the sessions included are 'live scan' or 'demonstration' time: these are live or video updates on the latest techniques and technologies in the field which support the scientific data in the same subject area.
- Related **posters** are also listed under each oral session. The poster titles are listed in the pages immediately following the day of oral sessions together with a 'map' of poster locations. Posters are referenced to 'P' numbers – you can use these both to locate the original abstracts in the abstract book, and to find the relevant posters in the exhibition hall.
- There are allocated chaired poster discussion times for some of the themed poster sessions. Poster authors are asked to be present during the relevant discussion session (see page 9), and to stand by their posters during session breaks on the day of presentation to answer questions. Please refer your questions direct to the authors.
- Poster displays change daily, so please take advantage of the allocated times each day for poster viewing and discussion.
- The **exhibition** hall opens at 09:30 each day – all refreshment breaks and poster presentations are located within this room. In addition our sponsors will be offering live scan previews of their latest equipment in dedicated live scan rooms on the mezzanine floor. The schedules for these rooms are listed on page 7.
- All poster and oral free communication sessions will be judged within their subject categories. The best oral and poster presenters in each session will receive certificates, and will be formally acknowledged in 'Ultrasound in Obstetrics and Gynecology'. Presenting authors are advised that results of judging will be announced at the closing ceremony on Saturday 4th September and are encouraged to attend.

## CME

The International Society of Ultrasound in Obstetrics and Gynecology 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.be](http://www.uems.be).

The 14th World Congress on Ultrasound in Obstetrics and Gynecology is designated for a maximum of 30 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

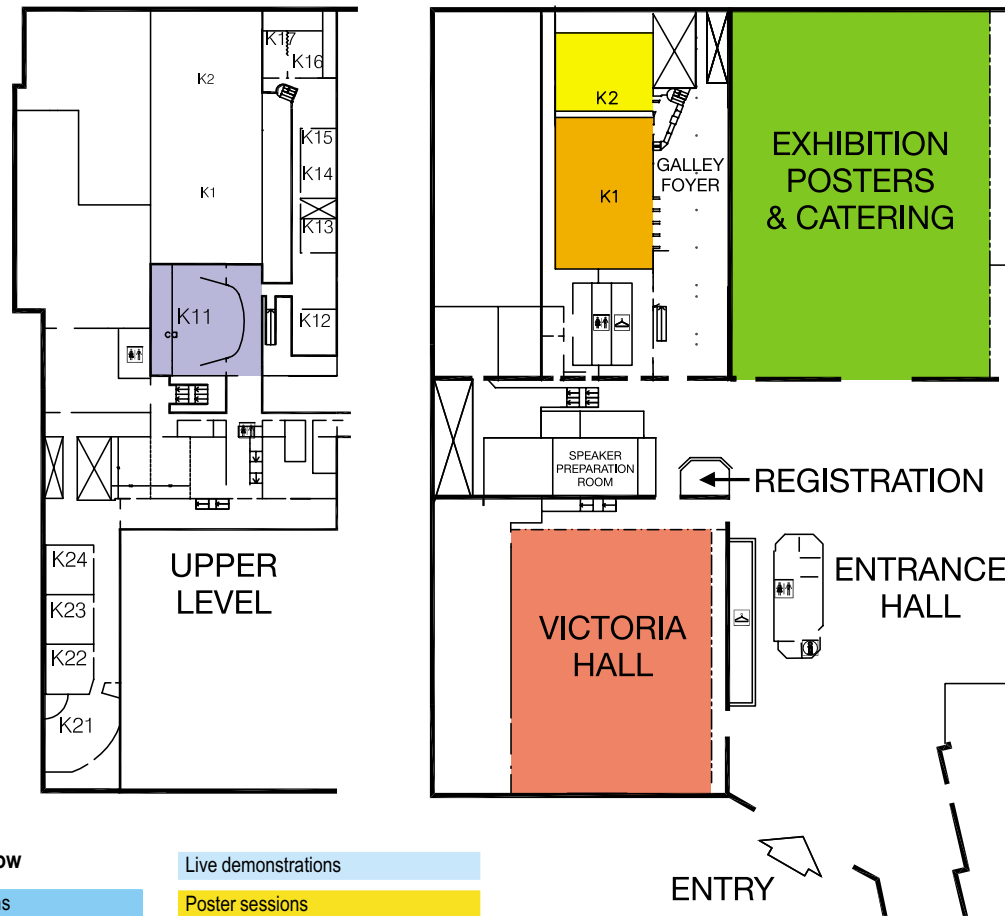
EACCME credits are recognized as Physician's Recognition Award by the American Medical Association.

## Invited Faculty

J. Abramowicz, USA	Y. Chiba, Japan	K. Hecher, Germany	M. Meyer-Wittkopf, Germany	S.E. Sonesson, Sweden
A. Abuhamad, USA	G. Condous, UK	J. Hobbins, USA	T. Nelson, USA	A. Tabor, Denmark
R. Achiron, Israel	J. Copel, USA	R. M. Holst, Sweden	A. Ngu, Australia	A. Testa, Italy
L. Allan, UK	L. De Crespigny, Australia	O. Istre, Norway	K. Nicolaides, UK	B. Thilaganathan, UK
H. Almström, Sweden	H. De Vries, The Netherlands	P. Jeanty, USA	S. Nielsen, Sweden	D. Timmerman, Belgium
E. Andolf, Sweden	J. Deprest, Belgium	P. Jouppila, Finland	S. Nikolov, Denmark	I. Timor-Tritsch, USA
P. Arbeille, France	G. DeVore, USA	D. Jurkovic, UK	L. Nilsson, Sweden	G. Tulzer, Austria
O. Axelsson, Sweden	H.P. Dietz, Australia	K. Kalache, Germany	D. Nyberg, USA	B. Tutschek, Germany
R. Bahado Singh, USA	S. Eik-Nes, Norway	T. Kiserud, Norway	E. Okaro, UK	L. Valentin, Sweden
A. Baschat, USA	E. Epstein, Sweden	A. Kratochwil, Austria	D. Paladini, Italy	K. Vetter, Germany
C. Battaglia, Italy	C. Exacoustos, Italy	C. Lees, UK	A. Parsons, USA	Y. Ville, France
B. Benacerraf, USA	C. Faro, UK	M. Levene, UK	G. Pilu, Italy	J.I.P. Vlietinck, The Netherlands
B. Benoit, France	E. Ferrazzi, Italy	L. Lewi, Belgium	L. Platt, USA	P. Wegrzyn, UK
H.G. Blaas, Norway	J.C. Fouron, Canada	G. Lingman, Sweden	D. Prayer, Austria	M. Westgren, Sweden
T. Bourne, UK	A. Gagnon, Canada	P. Malcus, Sweden	D. Pretorius, USA	M. Weston, UK
C. Brezinka, Austria	H. Gardiner, UK	G. Malingier, Israel	R. Quintero, USA	M. Wikland, Sweden
M. Bronshtein, Israel	U. Gembruch, Germany	K. Maršál, Sweden	N. Raine-Fenning, UK	J. Wladimiroff, The Netherlands
J. Bruner, USA	S. Goldstein, USA	L. A. Mattsson, Sweden	J. Rasanen, Finland	S. Yagel, Israel
P. Burns, Canada	S. Granberg, Sweden	D. Maulik, USA	K. Ritchie, Canada	I. Zador, USA
S. Campbell, UK	E. Gratacos, Spain	I. Meizner, Israel	R. Romero, USA	
J. Carvahlo, UK	S. Gudmundsson, Sweden	M. Mellander, Sweden	K. Salvesen, Norway	
R. Chaoui, Germany	M. Hansmann, Germany	E. Merz, Germany	W. Sepulveda, Chile	

# Program at a Glance

## Venue Floor Plan



**Key to tables below**

- Obstetrics sessions      Live demonstrations
- Gynecology sessions      Poster sessions
- Social events offsite

## Tuesday 31 August

	K12	K16/K17	K21	K22	K23	K24
10:30-18:30	Office gynecology	3D ultrasound in in obstetrics and gynecology	Fetal Echocardiography	Differential diagnosis of fetal disease with ultrasound	The 11-14 week scan	Perinatal Doppler

## Wednesday 1 September

	VICTORIA HALL	K1	K11	EXHIBITION	K14	K15
08:30-10:00	Opening ceremony and Gold Medal lectures			09:30-19:30 Exhibition and posters	G E	
10:00-10:30				COFFEE		
10:30-12:00	Opening plenaries Ultrasound contrast agents; developments in MRI; developments in fetal heart imaging; predictive value of prenatal imaging				E S A O T E	
12:00-13:30		12:15-13:15 Philips satellite		LUNCH		
13:30-15:00	Ultrasound to predict and manage labor	Fetal heart I, routine assessment Live demonstration sponsored by Siemens	Early pregnancy complications I			
15:00-15:30				COFFEE		
15:30-17:00	Fetal surgery	Fetal heart II, anomalies Live demonstration sponsored by Aloka	Early pregnancy complications II			
17:00-17:45				Poster discussion groups		
17:30-19:30				Welcome drinks		

# Program at a Glance

## Thursday 2 September

	K1	K2	K11	EXHIBITION	K13	K14	K15
08:30-10:00	Fetal heart III, new developments Live demonstration sponsored by GE	Functional studies in obstetrics	Emergency gynecology	09:30-18:00 Exhibition and posters	P H I L I P S	M E D I C I N E	S I M E N S
10:00-10:30				COFFEE			
10:30-12:00	Developments in 3D / 4D Live demonstration sponsored by GE	IUGR I	Abnormal uterine bleeding and menorrhagia				
12:00-14:00	12:45-13:45 GE satellite symposium			LUNCH 12:00-12:45 poster discussion groups			
14:00-15:30	IUGR II Live demonstration sponsored by Siemens	Controversies in obstetric management	Infertility and ovarian dysfunction				
15:30-16:00				COFFEE			
16:00-17:15	Developments in imaging	Multiple pregnancy I	16:00-17:00 The endometrium				
18:00-20:00	Stockholm City Hall reception						

## Friday 3 September

	K1	K11	EXHIBITION	K13	K14	K15	K16/17
08:30-10:00	Screening for chromosomal abnormalities Live demonstration sponsored by Medison	Multiple pregnancy II	09:30-18:00 Exhibition and posters	P H I L I P S	G E	S I M E N S	A L O K A
10:00-10:30			COFFEE				
10:30-12:00	The 11-14 week anomaly scan Live demonstration sponsored by Philips	Ultrasound to guide the surgical approach					
12:00-13:30	12:00-12:45 Medison satellite symposium	12:15-13:15 Brahms satellite symposium	LUNCH				
13:30-15:00	Developments in perinatal Doppler Live demonstration sponsored by Philips	The routine scan - should we be examining asymptomatic women?					
15:00-15:30			COFFEE				
15:30-17:00	Fetal neurosonology I	Pelvic floor and urogynecology Live demonstration – 3D sponsored by Philips					
17:00-17:45			Poster discussion groups				
20:00-01:00	Congress party						

## Saturday 4 September

	K1	K11	EXHIBITION	K15	K16/17
08:30-10:00	Fetal neurosonology II Live demonstration sponsored by Esaote	Ovarian pathology	09:30-14:00 Exhibition and posters	S I M E N S	A L O K A
10:00-10:30			COFFEE		
10:30-12:00	The 18-23 week scan Live demonstration sponsored by GE	Gynecological cancer	Exhibition open		
12:00-13:30			LUNCH 12:00-12:45 Poster discussion groups		
13:30-15:00	The routine antenatal scan I	Monochorionic twins - solved and unsolved issues, by the Eurofoetus group	Closed		
15:00-15:30			COFFEE		
15:30-16:30	The optimal model for the routine antenatal scan - debate				
16:30	Closing ceremony				

# Tuesday 31 August 2004

## Pre congress Courses:

### Course 1 Fetal Echocardiography Room: K21

Course Director: G. Tulzer (Austria); H. Gardiner (UK)

- 10:30 Physiology of the fetal circulation *J. Rasanen (Finland)*  
 11:00 The venous system and foramen ovale *T. Kiserud (Norway)*  
 11:30 Sequential fetal heart scanning *S.E. Sonesson (Sweden)*  
 12:00 Nuchal screening and heart defects *L. Allan (UK)*

#### 12:30 Lunch

- 14:00 Ductus arteriosus *G. Tulzer (Austria)*  
 14:30 The fetal aortic arch *A. Baschat (USA)*  
 15:00 Right and left atrial isomerism *J.C. Fouron (Canada)*  
 15:30 What is wrong with this scan *H. Gardiner (UK); L. Allan (UK); G. Tulzer (Austria)*

#### 16:00 Coffee

- 16:30 Fetal bradyarrhythmias *U. Gembruch (Germany)*  
 17:00 Assessment of fetal cardiac function *G. DeVore (USA)*  
 17:30 Perinatal management, counselling and outcome of fetuses with congenital heart disease *M. Mellander (Sweden)*

### Course 2 Differential diagnosis of fetal disease with ultrasound Room: K22

Course Directors: R. Romero (USA); G. Pilu (Italy); P. Jeanty (USA)

**Themes:** An interactive multimedia course covering differential diagnosis of anatomical and congenital anomalies

- 10:30 Welcome and introduction *R. Romero (USA)*  
 10:45 Session 1 - Case presentation questions  
 11:15 Case 1 - A difficult urinary tract anomaly *R. Romero (USA)*  
 11:30 Case 2 - An unusual syndrome detected by 3D ultrasound *B. Benacerraf (USA)*  
 11:45 Case 3 - How should this fetus be managed? *G. Mari (USA)*  
 12:00 Case 4 - What is wrong with this Doppler waveform? *A. Abuhamad (USA)*  
 12:15 Case 5 - A key diagnostic feature by 3D ultrasound *D. Pretorius (USA)*  
 12:30 Case 6 - Is this fetal profile normal? *M. Bronshtein (Israel)*

#### 12:45 Lunch

- 13:45 Session 2 - Case presentation questions  
 14:15 Case 7 - What is wrong with this brain? *G. Pilu (Italy)*  
 14:30 Case 8 - What is abnormal with the spine? *L. Gonçaves (USA)*  
 14:45 Case 9 - A rare anomaly of the respiratory tract *K. Kalache (Germany)*  
 15:00 Case 10 - A case treated by fetal surgery *R. Quintero (USA)*  
 15:15 Case 11 - Prenatal diagnosis in the embryonic period *H.G. Blaas (Norway)*  
 15:30 Case 12 - A case involving a difficult differential diagnosis *I. Timor-Tritsch (USA)*

#### 15:45 Coffee

- 16:15 Session 3 - Case presentation questions  
 16:45 Case 13 - An unusual presentation of a skeletal anomaly *Y. Ville (France)*  
 17:00 Case 14 - A difficult case of gastrointestinal anomaly *W. Lee (USA)*  
 17:15 Case 15 - What is wrong with this vessel? *J. Espinoza (USA)*  
 17:30 Case 16 - An unusual case of fetal hydrops *R. Bahado-Singh (USA)*  
 17:45 Case 17 - A rare cardiac anomaly *G. DeVore (USA)*  
 18:00 Case 18 - A potpourri of difficult cases *P. Jeanty (USA)*

### Course 3 3D Ultrasound in obstetrics and gynecology Room: K16 / K17

Organised by ISUOG 3D focus group

Course Directors: R. Romero (USA); G. Pilu (Italy); P. Jeanty (USA)

- 10:30 Introduction  
**Technology review**  
 10:35 3D ultrasound technology: current and future *T. Nelson (USA)*  
 10:45 Clinical data acquisition techniques *W. Lee (USA)*



# Tuesday 31 August 2004

## Course 3 3D Ultrasound in obstetrics and gynecology continued Room: K16 / K17

- 10:55 Data display and image review *D. Pretorius (USA)*  
 11:10 Volume analysis and measurement methods *F. Chang (Taiwan)*  
 11:25 3D ultrasound artifacts *K. Baba (Japan)*  
 11:40 3D ultrasound fetal safety considerations *J. Abramowicz (USA)*  
**Obstetrics - 1st trimester**  
 11:50 Clinical scanning strategies *I. Timor-Tritsch (USA)*  
 12:00 Normal development *H.G. Blaas (Norway)*  
 12:10 Anomalies *B. Benoit (France)*  
 12:25 Challenging case review(s) *W. Lee (USA); H.G. Blaas (Norway)*

### 12:40 Lunch

- Obstetrics - 2nd and 3rd trimester**  
 13:40 Clinical scanning strategies *B. Benoit (France)*  
 13:50 Normal development *E. Merz (Germany)*  
 14:00 Anomalies *I. Timor-Tritsch (USA)*  
 14:15 Echocardiography *G. DeVore (USA)*  
 14:30 Measurements *W. Lee (USA)*  
 14:50 Challenging case review(s) *A. Lee (Australia); J. Shih (Taiwan); G. DeVore (USA)*

### 15:10 Coffee

- Gynecology - Ovaries**  
 15:40 Clinical scanning strategies *B. Benacerraf (USA)*  
 15:50 Adnexal masses *J. Shih (Taiwan)*  
 16:05 Challenging case reviews *B. Benacerraf (USA); J. Shih (Taiwan); E. Merz (Germany)*  
**Gynecology - Uterus**  
 16:20 Clinical scanning strategies *D. Pretorius (USA)*  
 16:30 Uterine malformations *B. Benacerraf (USA)*  
 16:40 Carcinoma of the endometrium and cervix *A. Kratochwil (Austria)*  
 16:50 Infertility *F.M. Chang (Taiwan)*  
 17:00 Pelvic Floor *A. Kratochwil (Austria)*  
 17:20 Challenging case reviews *A. Lee (Australia); I. Timor-Tritsch (USA); K. Baba (Japan)*  
**Gynecology - Breast**  
 17:40 Clinical scanning strategies *D. Rotten (France)*  
 17:50 Masses and interventional procedures *C. Weissmann (Austria)*  
 18:00 Challenging case review *D. Rotten (France); C. Weissmann (Austria)*  
 18:10 Conclusions *H.G. Blaas (Norway)*  
 18:30 Close

## Course 4 The 11-14 week scan Room: K23

- Course Director: *K. Nicolaidis (UK)*  
 10:30 Screening and diagnosis of chromosomal abnormalities - overview *K. Nicolaidis (UK)*  
 11:30 2nd trimester sonographic markers *B. Benacerraf (USA)*  
 12:00 1st trimester sonographic markers *K. Nicolaidis (UK)*  
 13:00 Lunch  
 14:00 Sonoembryology - normal and abnormal findings *H.G. Blaas (Norway)*  
 14:45 The early anomaly scan *I. Timor-Tritsch (USA)*



### 15:30 Coffee

- 16:00 Early fetal cardiac scanning *R. Achiron (Israel)*  
 16:30 Chorionicity and its consequences *E. Gratacos (Spain)*  
 17:15 Closing remarks  
*(Test your knowledge with a multiple choice examination relating to the day's teaching activities! Those who pass the theoretical examination are eligible to apply for the practical component of the Fetal Medicine Foundation's certificate of competence in the 11-14 week scan)*

# Tuesday 31 August 2004

## Course 5 Office Gynecology Room: K12

Course Directors: T. Bourne (UK); S. Granberg (Sweden)

- 10:30 Welcome and introduction S. Granberg (Sweden)
- 10:45 How do we manage miscarriage? What happens if no pregnancy can be seen at the time of the initial scan?  
Facilitator: T. Bourne (UK)  
Speakers: G. Condous (UK); S. Nielsen (Sweden)
- 11:30 The management of ectopic pregnancy - no treatment, drug treatment or surgery?  
Facilitator: T. Bourne (UK)  
Speakers: B. Cacciatore (Finland); G. Condous (UK); E. Kirk (UK)
- 12:15 Assessing pelvic pain in the office - can we avoid laparoscopy?  
Facilitator: J. Deprest (Belgium)  
Speakers: E. Andolf (Sweden); S. Goldstein (USA)

### 13:00 Lunch

- 14:00 A one stop approach to assessing the fertility patient  
Facilitator: S. Granberg (Sweden)  
Speakers: S. Campbell (UK); R. Holte (Sweden)
- 14:45 Investigating women with problem periods  
Facilitator: E. Epstein (Sweden)  
Speakers: O. Istre (Norway); S. Goldstein (USA)

### 15:30 Coffee

- 16:00 The management of ovarian pathology: using ultrasound to select women for surgery vs conservative management  
Facilitator: T. Bourne (UK)  
Speakers: A. Testa (Italy); D. Timmermann (Belgium)
- 16:45 Abnormal uterine bleeding after the menopause: can we use ultrasound to select women that need intervention?  
Facilitator: S. Granberg (Sweden)  
Speakers: S. Goldstein (USA); B. Gull (Sweden)
- 17:30 Discussion and concluding remarks T. Bourne (UK); S. Granberg (Sweden)

## Course 6 Perinatal Doppler Room: K24

**Organised by the ISUOG perinatal Doppler focus group**

Course Directors: C. Brezinka (Austria); S. Gudmundsson (Sweden)

- 10:30 Introduction C. Brezinka (Austria); S. Gudmundsson (Sweden)
- 10:40 Uterine artery Doppler - where to measure and when to use it in perinatal medicine S. Gudmundsson (Sweden)
- 11:20 Doppler volume flow measurements - should it be introduced again? C. Brezinka (Austria)
- 11:50 Fetal circulation redistribution - implications and clinical use J.C. Fouron (Canada)
- 12:20 Ductus venosus - how to find it and relationship to fetal heart function T. Kiserud (Norway)

### 12:40 Lunch

- 13:40 Do we need to record other veins than ductus venosus and the umbilical vein? A. Baschat (USA)
- 14:10 Different types of umbilical venous pulsations S. Gudmundsson (Sweden)
- 14:30 Converging color imaging in the evaluation of fetal heart anatomy at 12-14 weeks of gestation L. Allan (UK)
- 14:50 Fetal Tissue Doppler Echocardiography (TDE) B. Tutschek (Germany)
- 15:10 Power Doppler ultrasound including 3D/4D imaging M. Dubiel (Poland)

### 15:30 Coffee

- 16:00 Closure of the ductus arteriosus and right sided fetal heart failure S. Gudmundsson (Sweden)
- 16:15 When should we deliver the very premature fetus with absent end-diastolic flow in the umbilical artery? T. Kiserud (Norway)
- 16:40 Impact of Doppler ultrasound in clinical decision making K. Ritchie (Canada)
- 17:20 Closing remarks C. Brezinka (Austria)

# Wednesday 1 September 2004

## 08:30-10:00 Opening ceremony Room: Victoria Hall

08:30	Welcome <i>K. Maršál (Sweden)</i>
08:45	The embryo and fetus in medical imaging <i>L. Nilsson (Sweden)</i>
09:05	Presentation of the Ian Donald Gold Medal
09:10	Ian Donald Gold Medal lecture: Imaging and the great obstetrical syndromes <i>R. Romero (USA)</i>
09:30	Presentation of the Ian Donald Technical Development Medal
09:35	Ian Donald Technical Development lecture <i>R. Soldner (Germany)</i>
09:55	Closing remarks <i>K. Maršál (Sweden)</i>

## 10:00-10:30 Coffee break - exhibition area / sponsors live scanning - mezzanine

## 10:30-12:00 Opening plenaries Room: Victoria Hall

	Chairs: S. Campbell (UK); K. Marsal (Sweden)	
10:30	Applications of contrast media in ob / gyn imaging <i>P.N. Burns (Canada)</i>	OC001
10:50	MRI - necessity or luxury in prenatal imaging <i>D. Prayer (Austria)</i>	
11:10	Predictive value of prenatal imaging <i>M. Levene (UK)</i>	
11:30	Three- and four-dimensional fetal echocardiography: potential of a new ultrasound feature <i>R. Chaoui (Germany)</i>	OC004

## 12:00-13:30 Lunch - exhibition area / sponsors live scanning - mezzanine

## 12:15-13:15 \*Philips satellite symposium: "Clinical Feedback of the iU22 in Obstetrics and Gynecology" Room: K1

Chair: J. Walchenbach (Philips, Europe)  
Speakers: J. Abramowicz (USA); B. Tutschek (Germany)

## 13:30-15:00 Parallel: Fetal heart I, routine assessment \*\*Sponsored by Siemens Room: K1

	Chairs: R. Chaoui (Germany); S.E. Sonesson (Sweden)	
13:30	Overview of free communications: new data, current challenges <i>S.E. Sonesson (Sweden)</i>	
13:40	Live demonstration - 2nd trimester <i>H. Gardiner; L. Allan (UK)</i>	
14:00	The abnormal four chamber view - video clips <i>H. Gardiner; L. Allan (UK)</i>	
14:10	The examiner's ultrasound experience has a significant impact on the detection rate of congenital heart defects at the second trimester fetal examination. <i>E. Tegnander; S.H. Eik-Nes (Norway)</i>	OC005
14:18	Correlation between indication for fetal echocardiography and presence of structural congenital heart disease: 1985 to 2003 <i>B.D. Hamar; A.K. Sfakianaki; C.S. Kleinman; J.A. Copel (USA)</i>	OC006
14:26	Long axis ventricular function in normal fetuses <i>S. Sairam; F. Prefumo; M. Guven; J.S. Carvalho (UK)</i>	OC007
14:34	Doppler blood flow velocity waveforms in the fetal aortic isthmus: variability at the longitudinal aortic arch and the three-vessel view <i>B. Puerto; M. del Río; F. Figueras; J.M. Martinez; O. Gómez; V. Borobio; O. Coll; V. Cararach (Spain)</i>	OC008
14:42	Detection of muscular septal defects using power-Doppler ultrasound in mid-trimester echocardiography and description of natural history <i>J. Hartung; V. Tetzner (Germany)</i>	OC009
14:50	Round up comments	
	Related posters	P01.01 – P01.34

\*Satellite symposia are brought to you by our sponsors. ISUOG takes no responsibility for scientific or clinical content.

\*\*Demonstration sessions are generously supported by our sponsoring partners. Sponsors provide systems and support for all technical services to bring live scan sessions to you. Scientific content is defined by ISUOG.



# Wednesday 1 September 2004

## 13:30-15:00 Parallel: Ultrasound to predict and manage labor Room: Victoria Hall

	Chairs: B. Thilaganathan (UK); O. Axelsson (Sweden)	
13:30	Overview of free communications: new data <i>B. Thilaganathan (UK)</i>	
13:40	Prediction of preterm labour <i>R. Romero (USA)</i>	
13:55	Inter-observer variability of cervical length measured by transvaginal 2D ultrasound compared to 3D ultrasound <i>L. Pereira; G. Bega; D. Henning; C. Daskalakis; V. Berghella (USA)</i>	OC011
14:03	The clinical significance of "sludge" during transvaginal examination of the cervix in patients with preterm labor <i>J. Espinoza; L.F. Gonçalves; Y.M. Kim; T. Chaiworapongsa; J.K. Nien; W. Lee; S. Stites; R. Romero (USA)</i>	OC012
14:11	Impact of ultrasound cervical length assessment on duration of hospital stay in the clinical management of threatened preterm labor <i>J.E. Sanin-Blair; M. Palacio; J. Delgado; F. Figueras; O. Coll; L. Cabero; V. Cararach; E. Gratacos (Spain)</i>	OC013
14:19	Clinical significance of sonographic findings in placenta previa with prior Cesarean section <i>J.I. Yang; Y.K. Lim; S.J. Chang; H.S. Kim; M.R. Kim; J.P. Lee; K.J. Hwang; K.H. Chang; H.S. Ryu; K.S. Oh; S.S. Ju (Republic of Korea)</i>	OC014
14:27	Head engagement can be determined by translabial ultrasound and is predictive of normal vaginal delivery Predicting delivery mode <i>H.P. Dietz; V. Lanzarone (Australia)</i>	OC015 OC016
14:42	Prostaglandin-induced cervical ripening monitored by ultrasound <i>Z. Tóth; O. Török; A. Jakab; T. Kovács (Hungary)</i>	OC017
14:50	Discussion and round up comments <i>O. Axelsson (Sweden)</i>	
	Related posters	P03.01-P 03.21

## 13:30-15:00 Parallel: Early pregnancy complications I Room: K11

	Chairs: T. Bourne (UK); S. Nielsen (Sweden)	
13:30	Overview <i>T. Bourne (UK)</i>	
13:40	The value of biochemistry in the prediction of miscarriage <i>D. Jurkovic (UK)</i>	OC018
13:55	The conservative management of miscarriage <i>S. Nielsen (Sweden)</i>	OC019
14:10	Prospective evaluation of a logistic model for the prediction of early pregnancy viability <i>D. Ofili-Yebovi; P. Cassik; C. Lee; N. Zosmer; J. Elson; E. Hulme; D. Jurkovic (UK)</i>	OC020
14:18	Morphologic and quantitative assessment of early gestational sacs using three-dimensional ultrasonography <i>W. Lee; M.D. Fritz; B. McNie; R.L. Deter; L.F. Gonçalves; J. Espinoza; T. Chaiworapongsa; R. Romero (USA)</i>	OC021
14:26	The use of transvaginal ultrasound may reduce the incidence of retained products of conception after first trimester uterine evacuation <i>A. Debbi; G. Malinge; E. Harow; R. Sagiv; M. Glezerman; A. Golan (Israel)</i>	OC022
14:34	Is the appearance of the yolk sac predictive of aneuploidy in early missed abortions? <i>V. Serra; J. Ferro; C. Alvarez; M.C. Martínez; C. Lara; J. Remohi; A. Pellicer (Spain)</i>	OC023
14:42	Interactive demo <i>D. Jurkovic; G. Condous (UK)</i>	
	Related posters	P04.01-P04.19

## 15:00-15:30 Coffee break - exhibition area / sponsors live scanning - mezzanine

## 15:30-17:00 Parallel: Fetal heart II, anomalies \*\*Sponsored by Aloka Room: K1

	Chairs: L. Allan (UK); J. Copel (USA)	
15:30	How to screen a low risk vs high risk patient - 1st trimester (live) <i>J. Carvahlo (UK)</i>	
15:50	The role of early fetal echocardiography <i>F. McAuliffe; J. Trines; L. Nield; D. Chitayat; E. Jaeggi; L. Hornberger (Canada)</i>	OC024
15:58	Abnormal great vessels - video clips <i>D. Paladini (Italy)</i>	
16:08	Progression of CHD and rationale of prenatal intervention <i>G. Tulzer (Austria)</i>	OC025

# Wednesday 1 September 2004

16:23	Fetal heterotaxy syndromes – intrauterine diagnosis, course and outcome of 74 cases <i>C. Berg<sup>1</sup>; A. Geipel<sup>1</sup>; T. Kohl<sup>1</sup>; M. Krapp<sup>1</sup>; U. Germer<sup>1</sup>; A.A. Baschat<sup>2</sup>; U. Gembruch<sup>1</sup></i> <sup>1</sup> (Germany); <sup>2</sup> (USA)	OC026
16:31	Single umbilical artery and congenital heart disease in high- and low-risk populations <i>M.A. Guven; F. Prefumo; J.S. Carvalho (UK)</i>	OC027
16:39	Natural history of fetal Ebstein's anomaly in a referral center in the second half of pregnancy <i>M. Respondek-Liberska; K. Janiak; J. Wilczynski; A. Sysa; J.A. Moll; J. Moll; A. Kulig (Poland)</i>	OC028
16:47	Right aortic arch in the fetus and associated findings <i>R. Chaoui; B. Nauschütz; K.S. Heling; R. Bollmann (Germany)</i>	OC029
16:55	Round up comments <i>J. Copel (USA)</i>	
	Related posters	P01.01–P01.34

## 15:30-17:00 Parallel: Fetal surgery Room: Victoria Hall

	Chairs: J.P. Bruner (USA); J. Deprest (Belgium)	
15:30	Overview: future developments, current challenges <i>J.P. Bruner (USA)</i>	
15:40	How reliable is preoperative ultrasound evaluation of fetal surgery candidates? <i>K. Kalache (Germany)</i>	OC030
15:55	"Amnioexchange" for gastroschisis <i>J.P. Bruner (USA)</i>	OC031
16:10	Fetoscopic endoluminal tracheal occlusion (FETO) for severe congenital diaphragmatic hernia <i>J. Deprest<sup>1</sup>; E. Gratacos<sup>2</sup>; A. Greenough<sup>3</sup>; E. Carreras<sup>2</sup>; H. Devlieger<sup>1</sup>; J. Jani<sup>1</sup>; M. Davenport<sup>3</sup>; V. Martinez Ibanez<sup>2</sup>; D. van Schoubroeck<sup>1</sup>; H. Vandecruys<sup>3</sup>; K.H. Nicolaidis<sup>3</sup></i> <sup>1</sup> (Belgium); <sup>2</sup> (Spain); <sup>3</sup> (UK)	OC032
16:25	Treatment of previable iatrogenic rupture of membranes with the amniopatch: rationale for a randomized clinical trial <i>R. Quintero; R. Chmait; C. Rossi; M. Allen; P.W. Bornick (USA)</i>	OC033
16:33	In utero stem cell transplantation <i>M. Westgren; E. Tibald; S. Molgersson; S. Nora (Sweden)</i>	OC034
16:48	Intra-cordonal radiofrequency procedure to interrupt umbilical flows: in vitro study <i>O. Morel; N. Tran; O. Thiébauges; J.P. Villemot (France)</i>	OC035
16:56	Round up comments <i>J. Deprest (Belgium)</i>	
	Related posters	P02.01–P02.15

## 15:30-16:45 Parallel: Early pregnancy complications II Room: K11

	Chairs: T. Bourne (UK); A. Ngu (Australia)	
15:30	Overview <i>T. Bourne (UK)</i>	
15:40	Algorithms for the diagnosis and management of pregnancies of unknown location <i>G. Condous (UK)</i>	OC036
15:55	Are there safe and dangerous ectopic pregnancies? <i>D. Jurkovic (UK)</i>	OC037
16:10	A prospective evaluation of a single visit strategy to manage pregnancies of unknown location (PUL) <i>E. Kirk; G. Condous; A. Khalid; Z. Haider; C. Lu; T. Bourne (UK)</i>	OC038
16:18	Expectant management of tubal ectopic pregnancies using decision tree analysis <i>D. Ofili-Yebovi; E. Hulme; P. Cassik; C. Lee; J. Elson; D. Jurkovic (UK)</i>	OC039
16:26	The use of a logistic regression model to predict ectopic pregnancies in an early pregnancy setting <i>E. Kirk; G. Condous; A. Khalid; Z. Haider; T. Bourne (UK)</i>	OC040
16:34	Pregnancies of unknown location: a new logistic regression model for predicting outcome <i>E. Kirk<sup>1</sup>; G. Condous<sup>1</sup>; A. Khalid<sup>1</sup>; Z. Haider<sup>1</sup>; N. Rosello<sup>1</sup>; C. Lu<sup>2</sup>; T. Bourne<sup>1</sup></i> <sup>1</sup> (UK); <sup>2</sup> (Belgium)	OC041
16:41	Round up comments <i>A. Ngu (Australia)</i>	
	Related posters	P04.01–P04.19

## 17:00-17:45 Chaired poster discussion groups Exhibition Hall

P01 – Fetal hearts	Chairs: R. Chaoui (Germany); D. Paladini (Italy)
P02 – Fetal therapy and fetal surgery	Chair: J. Deprest (Belgium)
P03 – Ultrasound in labor	Chair: J. Copel (USA)
P04 – Subfertility	Chair: M. Wikland (Sweden)

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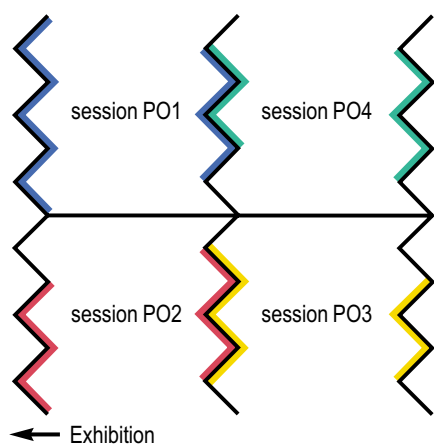
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# Wednesday Poster Sessions



## Poster Session

	Fetal Hearts
	Fetal Therapy and Fetal Surgery
	Ultrasound in labor
	Early Pregnancy
	Subfertility

## Posters

P01.01 - P01.20
P02.01 - P02.15
P03.01 - P03.13
P04.01 - P04.09
P04.20 - P04.24

## PowerPoint Posters

P01.21 - P01.34
P03.14 - P03.21
P04.10 - P04.19
P04.25 - P04.32

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## Wednesday 1 September 2004

### Fetal hearts

	Abstract No.	
Accuracy of antenatal detection of congenital heart disease: assessment in a large cohort at a single institution <i>G. Urban (Italy)</i>	P01.01	
Evaluation of congenital cardiac findings in the group of high-risk pregnancies <i>J.M. Troyano (Spain)</i>	P01.02	
Assessment of the intra-observer variability in the measurement of fetal cardio-thoracic ratio using ellipse and diameter methods <i>A. Awadh (UK)</i>	P01.03	
The consequences of termination after prenatal diagnosis of structural congenital heart disease <i>M. Michon (USA)</i>	P01.04	
Fetal pulmonary arterial Doppler velocimetry in congenital heart defects <i>F. Lenz (Germany)</i>	P01.05	
Significance of left superior caval vein in the fetus <i>L. Pasquini (UK)</i>	P01.06	
Prenatal diagnosis of right ventricular diverticulum in the first trimester <i>M. Del Rio (Spain)</i>	P01.07	
Characteristics and outcome of isolated right and double aortic arch in the fetus <i>P. Volpe (Italy)</i>	P01.08	
Evaluation of fetal condition using cardiovascular score in cases with complete atrioventricular block and heart defect <i>A. Hamela-Olkowska (Poland)</i>	P01.09	
Left atrial isomerism with complete heart block and atrial flutter <i>A. Hamela-Olkowska (Poland)</i>	P01.10	
Effect of positive anti - Ro antibodies on fetal and neonatal cardiovascular system <i>A. Hamela-Olkowska (Poland)</i>	P01.11	
Prenatal risk factors influencing outcome of fetuses with atrio-ventricular septal defects <i>A. Hamela-Olkowska (Poland)</i>	P01.12	
Atypical reduction of ductus venosus systolic forward flow in three fetuses with severe tricuspid regurgitation <i>J. Smrcek (Germany)</i>	P01.14	
Misinterpretation of abnormal ductus venosus waveforms in fetuses with pulmonary atresia and intact ventricular septum <i>L. Pasquini (UK)</i>	P01.15	
Prenatal diagnosis of ventricular aneurysm: clinical management and outcome <i>L. Pasquini (UK)</i>	P01.16	
Transposition of great vessels - a single centre review in an Asian population <i>J.V.K Tan (Singapore)</i>	P01.17	
Fetal echocardiography in trisomy 18 in the fetus <i>D. Moyano (UK)</i>	P01.18	
A case of resolving premature atrial contraction <i>M. Wong (Hong Kong SAR)</i>	P01.19	
Quantitative assessment of right ventricular function using tissue Doppler imaging in cases of twin to twin transfusion syndrome <i>T. Akira (Japan)</i>	P01.20	
Utilization of the three vessels and trachea (3VT) view in early prenatal diagnosis of cardiac defects <i>V.H. Eisenberg (Israel)</i>	P01.21	PPT
Cantrell syndrome - case report <i>D.C. Prete (Brazil)</i>	P01.22	PPT
Prenatal detection of a right sided aortic arch by targeted visualization of the three vessel view <i>P. Kreiselmaier (Germany)</i>	P01.23	PPT

# Wednesday Poster Sessions

	Abstract No.	
Prenatal diagnosis of isolated ventricular non-compaction: case report and review of the literature <i>E. Sleurs (Belgium)</i>	P01.24	PPT
Cardiovascular score in the surveillance of fetal hydrops <i>C. Hofstaetter (Norway)</i>	P01.25	PPT
The fetal abdominal varix is the result of an arterio-venous malformation <i>D.C. Wood (USA)</i>	P01.26	PPT
Spectrum of cardiac anomalies in left and right isomerism <i>K. Kalache (Germany)</i>	P01.27	PPT
Anatomy, diagnosis and outcome of corrected transposition of the great arteries (L-TGA) in the fetus - a multicenter series of 30 cases <i>D. Paladini (Italy)</i>	P01.28	PPT
Dysplastic semilunar valves in trisomy 13 and 18 - prenatal recognition of a common association <i>J.S. Carvalho (UK)</i>	P01.29	PPT
Dilated cardiomyopathy presenting during fetal life <i>J.M. Simpson (UK)</i>	P01.30	PPT
Prenatal ductal constriction (DC) and prenatal foramen ovale (FO) closure in otherwise normal heart anatomy in referral center for fetal echocardiography <i>M. Respondek-Liberska (Poland)</i>	P01.31	PPT
Haemodynamically significant ductal constriction in the 3rd trimester fetus following maternal self-medication with the COX-2 selective inhibitor nimesulide <i>D. Paladini (Italy)</i>	P01.32	PPT
The use of the minimum projection mode in four-dimensional examination of the fetal heart with spatiotemporal image correlation (STIC) <i>J. Espinoza (USA)</i>	P01.33	PPT
<b>Fetal therapy and fetal surgery</b>		
The management of Kell isoimmunization - evaluation of conventional protocol and introduction of an MCA-PSV guided approach <i>S. Lipitz (Israel)</i>	P02.01	
Accuracy of middle cerebral artery blood flow velocimetry in determining anemia in fetuses undergoing intrauterine transfusion <i>P. Vasquez (Chile)</i>	P02.02	
Predictive value of middle cerebral artery peak systolic velocity to establish the interval between intrauterine transfusions in fetal red-cell alloimmunization <i>B. Muñoz-Abellana (Spain)</i>	P02.03	
Endoscopic lysis of iatrogenic amniotic band after amniopatch <i>E.K. Kontopoulos (USA)</i>	P02.04	
Percutaneous fetal aortic valvotomy with intracardiac endoscopy for the treatment of critical aortic valve stenosis <i>R. Quintero (USA)</i>	P02.05	
Percutaneous fetal interatrial laser septotomy for the treatment of hypoplastic left heart syndrome with intact septum <i>R. Quintero (USA)</i>	P02.06	
Fetal cardiac intervention - is the chick embryo a suitable animal model? <i>M. Meyer-Wittkopf (Germany)</i>	P02.07	
Ultrasound-guided embolization for the treatment of symptomatic placental chorioangioma <i>F. Perrotin (France)</i>	P02.08	
Can the lung-to-head-ratio predict neonatal outcome in fetuses with congenital diaphragmatic hernia? <i>K.S. Heling (Germany)</i>	P02.09	
Ultrasonographic development of human and baboons according to the Carnegie stages of embryonic development: applications for in utero gene therapy in pre-immune embryos. <i>J.A. DeLeon-Luis (USA)</i>	P02.10	
Can handheld ultrasound systems be used for guiding prenatal invasive procedures? <i>J.A. DeLeon-Luis (USA)</i>	P02.11	
Bladder outlet obstruction: is it effective using a new-typed catheter in vesicoamniotic shunt? <i>S.K. Kim (Republic of Korea)</i>	P02.12	
Rapid amnioreduction using a re(USA)ble vacuum aspiration system in the treatment of polyhydramnios: the KK experience <i>J.J. Chee (Singapore)</i>	P02.13	
Continuous vacuum depression vs. syringe amnioreduction for polyhydramnios: a prospective randomised study <i>F. Perrotin (France)</i>	P02.14	
Percutaneous ultrasound-guided drainage of an enlarged intrathoracic stomach may increase lung volume in fetuses with life-threatening congenital diaphragmatic hernia <i>G. Bizjak (Germany)</i>	P02.15	



# Wednesday Poster Sessions

	Abstract No.	
<b>Ultrasound in labor</b>		
The silent myometrial contraction in pregnancy <i>Y. Romem (Israel)</i>	P03.01	
Evaluation of cervical length in threatened preterm labor <i>H. Delier Sezer (Turkey)</i>	P03.02	
Transvaginal ultrasound assessment of cervical length in patients with antepartum haemorrhage of unknown origin <i>W.Y. Fok (Hong Kong SAR)</i>	P03.03	
Ultrasonographic cervical measurement in women with preterm contractions <i>G. Daskalakis (Greece)</i>	P03.04	
Cervical length versus the biochemical marker igfbp-1 to predict spontaneous preterm delivery in women admitted because of preterm labor before 34 weeks <i>M. Palacio (Spain)</i>	P03.05	
Ultrasonographic measurement of the cervical length before labor induction in term nulliparous women <i>G. Daskalakis (Greece)</i>	P03.06	
Premature rupture of membranes before 24 weeks. Role of amniotic fluid volume in maternal and neonatal outcome <i>S. Hernández Aguado (Spain)</i>	P03.07	
Premature rupture of membranes before 24 weeks. Role of amniotic fluid level when pregnancy prolongs beyond 24 weeks <i>M.T. Cobo (Spain)</i>	P03.08	
Perinatal outcome in preterm premature rupture of membranes with oligohydramnios <i>S. Borna (Iran)</i>	P03.09	
Transvaginal sonographic cervical length as a predictor of labor induction <i>A. Jamal (Iran)</i>	P03.10	
A prospective study of the use of ultrasound scanning on the delivery suite <i>A. Heazell (UK)</i>	P03.11	
Clinical impact of sonographic antenatal diagnosis of placenta accreta - a report of 3 cases <i>K. Kwek (Singapore)</i>	P03.12	
The ultrasound and Doppler findings in a case of placenta percreta <i>H.S. Wong (New Zealand)</i>	P03.13	
Sonographic cervical length in prediction of preterm delivery: centiles versus single cut-offs measurements <i>C. Kaihura (Italy)</i>	P03.14	PPT
Prediction of preterm delivery by transvaginal sonography <i>V. Marsoosi (Iran)</i>	P03.15	PPT
Comparison of ultrasound, customised and actual birthweight in the prediction of adverse prolonged pregnancy outcome <i>F. Sethna (UK)</i>	P03.16	PPT
Post-term pregnancies: what are the predictors of intrapartum distress? <i>F. Sethna (UK)</i>	P03.17	PPT
Outcomes of pregnancies 41 weeks with sonographically detected nuchal cords <i>L. Zamora (Spain)</i>	P03.18	
Tightening the McDonald cerclage suture under sonographic guidance <i>R. Hershkovitz (Israel)</i>	P03.19	PPT
Association between first trimester maternal serum free hCG and PAPP-A and preterm delivery <i>A. Ricciardulli (Italy)</i>	P03.20	
Ultrasonographic prediction of placenta accreta <i>J. Baxter (USA)</i>	P03.21	PPT
<b>Early pregnancy</b>		
Cervical pregnancy <i>A. El Matary (UK)</i>	P04.01	
Color Doppler sonography of systemically-treated ectopic pregnancies <i>R.A. Milam (USA)</i>	P04.03	
The sonographic characteristics of the endometrium following first trimester uterine evacuation <i>A. Debby (Israel)</i>	P04.05	
Spontaneous abortion in patients with intrauterine hematomas detected in the first trimester of pregnancy <i>S. Nagy (Hungary)</i>	P04.06	
A prospective study of the effect of mifepristone on the uterine blood flow during early pregnancy <i>C.F. Li (Hong Kong SAR)</i>	P04.07	
Cervical pregnancy and cesarean section scar pregnancy successful treatment with transarterial embolization of uterine arteries followed by curettage - a report of 4 cases <i>J.L. Wu (Taiwan)</i>	P04.08	
Is infertility an option after ultrasound-guided drainage of tubo-ovarian abscesses? <i>K. Gjelland (Norway)</i>	P04.09	
A new logistic regression model for predicting ectopic pregnancies based on a single visit <i>E. Kirk (UK)</i>	P04.10	PPT

# Wednesday Poster Sessions

## Abstract No.

Can serum creatine kinase and CA 125 levels be used to predict the outcome in pregnancies of unknown location? <i>E. Kirk (UK)</i>	P04.11	PPT
Can clinical factors and ultrasonographic findings be useful in the prediction of outcome in pregnancies of unknown location (PUL)? <i>E. Kirk (UK)</i>	P04.12	PPT
Conservative management of cervical ectopic pregnancy <i>E. Kirk (UK)</i>	P04.13	PPT
Case presentation of a unilateral live twin tubal ectopic pregnancy <i>S.L. Lam (Singapore)</i>	P04.14	PPT
Cornual heterotopic pregnancy: succesful medical management followed with live term birth <i>E. Koistinen (Finland)</i>	P04.15	PPT
Reassessment of the usefulness of transvaginal color Doppler ultrasound in the diagnosis of ectopic pregnancy <i>N. Nakayamai (Japan)</i>	P04.16	PPT
Ultrasound in diagnosis and treatment of cervical pregnancy: a case report <i>P. Ogburn (USA)</i>	P04.17	PPT
Conservative sonographic-based management of a heterotopic triplet cervical and intrauterine pregnancy following intracytoplasmic sperm injection (ICSI): a case report <i>E. Ferrazzi (Italy)</i>	P04.18	PPT
Obstetric outcome after threatened abortion <i>I.Y. Park (Republic of Korea)</i>	P04.19	PPT
<b>Subfertility</b>		
Changes in endometrium and ovaries during the normal menstrual cycle as assessed by three-dimensional (3D) power Doppler ultrasound <i>P. Sladkevicius (Sweden)</i>	P04.20	
Power Doppler evaluation of follicular vascularization and intrafollicular leptin levels in oocytes selection: preliminary report <i>G. Nazzaro (Italy)</i>	P04.21	
Evaluation of endometrial receptivity during IVF using 3-D power Doppler ultrasonography <i>I. Järvelä (Finland)</i>	P04.22	
Correlation between three-dimensional power Doppler sonography of the (sub-)endometrium and angiogenic peptides at the time of oocyte aspiration <i>J. Siemer (Germany)</i>	P04.23	
Power Doppler evaluation of uterine malformation: the gamma sign <i>G. Nazzaro (Italy)</i>	P04.24	
Subendometrial arterial blood flow assessment during IVF cycles and its correlation with treatment outcome <i>Z. Leibovitz (Israel)</i>	P04.25	PPT
Ultrasound-guided embryo transfer (ET): the influence of "jet" phenomenon and other factors on pregnancy rates <i>J. Hulvert (Czech Republic)</i>	P04.26	PPT
Hystero-contrast-salpingography ( Hy-Co-Sy ) for the exploration of the female infertility <i>M.J. Bernardo (Portugal)</i>	P04.27	PPT
Hysterosalpingo-contrast-sonography (HyCoSy): methodological and clinical experience <i>M.E. Romanini (Italy)</i>	P04.28	PPT
Accuracy of transvaginal sonographic detection of pelvic adhesions <i>A. Amadio (Italy)</i>	P04.29	PPT
Ultrasound and the polycystic ovary - are sonographic indices any predictor of endocrinopathy? A pilot study <i>A. Khalid (UK)</i>	P04.30	PPT
Accuracy of three-dimensional sonographic assessment of uterine anomalies <i>C. Exacoustos (Italy)</i>	P04.31	PPT
Three-dimensional power doppler imaging in polycystic ovary syndrome <i>Y.M. Mala (India)</i>	P04.32	PPT

# Thursday 2 September 2004

## 08:30-10:00 Parallel: Fetal heart III, new developments \*\*Sponsored by GE Room: K1

	Chairs: D. Paladini (Italy); M. Mellander (Sweden)	
08:30	3D / 4D echocardiography - live demonstration <i>G. DeVore (USA)</i>	
08:50	3D quantitative echocardiographic assessment of ventricular volume <i>M. Meyer-Wittkopf (Germany)</i>	
09:00	Mild tricuspid regurgitation: a benign fetal finding at various stages of pregnancy <i>S. Yagel; S. Porat; T. Imbar; D.V. Valsky; Y. Sciaky-Tamir; E.Y. Anteby (Israel)</i>	OC042
09:08	Basal cardiac view on 3D/4D fetal echocardiography for the assessment of AV-valves and great vessels arrangement <i>R. Chaoui; J. Hoffmann; K.S. Heling (Germany)</i>	OC043
09:16	Live 3-dimensional matrix array echocardiography of the human fetus. A feasibility study <i>D. Maulik; N.C. Nanda; S. Vengala; A. Lysikiewicz; N. Modh; D. Maresca (USA)</i>	OC044
09:24	New aspects for diagnosis and therapy of fetal arrhythmias <i>U. Gembruch; C. Berg; A. Geipel; U. Germer; M. Krapp; T. Kohl (Germany)</i>	OC045
09:39	The investigation of fetal arrhythmias by simultaneous pulsed wave Doppler recording of pulmonary artery and vein <i>J.S. Carvalho; F. Prefumo; V. Ciardelli; S. Sairam; A. Bhide; E.A. Shinebourne (UK)</i>	OC046
09:47	Utility of tissue Doppler echocardiography (TDE) in analysing fetal arrhythmias <i>B. Tutschek; K.G. Schmidt (Germany)</i>	OC047
09:55	Round up comments <i>D. Paladini (Italy)</i>	
	Related posters	P01.01–P01.34

## 08:30-10:00 Parallel: Functional studies in obstetrics Room: K2

	Chairs: J. Deprest (Belgium); P. Malcus (Sweden)	
08:30	Overview <i>J. Deprest (Belgium)</i>	
08:40	Physiology of fluid passage through the oesophagus and duodenum <i>G. Malinger (Israel)</i>	OC048
08:55	New aspects of biophysical profile and fetal breathing <i>A.A. Baschat (USA)</i>	OC049
09:10	Pulmonary hypoplasia <i>J.W. Wladimiroff; J.A.M. Laudy (Netherlands)</i>	OC050
09:25	Analysis of fetal lung perfusion before and after corticoid therapy using power Doppler sonography <i>H. Joem; B. Fuchs; W. Rath (Germany)</i>	OC051
09:33	Variation in Doppler indices of the umbilical artery from fetal to placental sites: which is the ideal site? <i>M. Khare; D.J. Taylor; J.C. Konje (UK)</i>	OC052
09:41	Fetal and maternal Doppler velocimetry and cytokines in high-risk pregnancy <i>M. Dubiel<sup>1</sup>; A. Seremak-Mrozikiewicz<sup>1</sup>; G.H. Breborowicz<sup>1</sup>; K. Drews<sup>1</sup>; M. Petryga<sup>1</sup>; S. Gudmundsson<sup>2</sup> (Poland); <sup>2</sup>(Sweden)</i>	OC053
09:49	Fetal liver volume - relations with placental size and blood flow <i>G. Haugen<sup>1</sup>; K. Godfrey<sup>2</sup>; S. Crozier<sup>2</sup>; T. Kiserud<sup>1</sup>; M. Hanson<sup>2</sup> (Norway); <sup>2</sup>(UK)</i>	OC054
09:57	Round up comments <i>P. Malcus (Sweden)</i>	
	Related posters	P07.01–P07.22

## 08:30-10:00 Parallel: Emergency gynecology Room: K11

	Chairs: S. Goldstein (USA); S. Granberg (Sweden)	
08:30	Overview <i>S. Goldstein (USA)</i>	
08:40	The impact of ultrasound in the emergency gynecology unit <i>E. Okaro; Z. Haider (UK)</i>	OC055
08:55	Using ultrasound to diagnose appendicitis and bowel pathology <i>M.J. Weston (UK)</i>	OC056
09:10	Video demonstration <i>A. Parsons (USA)</i>	
09:30	The immediate success and long term outcome following the ultrasound guided drainage of tubo-ovarian abscesses <i>K. Gjelland<sup>1</sup>; S. Granberg<sup>2</sup> (Norway); <sup>2</sup>(Sweden)</i>	OC057

# Thursday 2 September 2004

09:45	Conservative management of cervical ectopic pregnancies <i>A. Cromi<sup>1</sup>; L. Raio<sup>2</sup>; F. Ghezzi<sup>1</sup>; D. Günter<sup>2</sup>; S. Lanz<sup>2</sup>; P. Düng<sup>2</sup>; M.D. Mueller<sup>2</sup>; E. Dreher<sup>2</sup></i> <sup>1</sup> (Italy); <sup>2</sup> (Switzerland)	OC058
09:53	Round up comments <i>S. Goldstein (USA)</i>	

10:00-10:30 Coffee break - exhibition area / sponsors live scanning - mezzanine

## 10:30-12:00 Parallel: Developments in 3D / 4D \*\*Sponsored by GE Room: K1

	Chairs: T.R. Nelson (USA); H.G. Blaas (Norway)	
10:30	Overview - Acquisition of 3D and 4D ultrasound data <i>T.R. Nelson (USA)</i>	OC059
10:45	Live scan demonstration <i>B. Benoit (France)</i>	
11:15	Pitfalls and artifacts in 3D ultrasound <i>I. Shapiro; Z. Leibovitz; S. Degani; G. Ohel (Israel)</i>	OC060
11:23	Three-dimensional ultrasound volume calculations of human embryos and young fetuses: a study on volumetry and its reproducibility <i>H-G.K. Blaas; P. Taipale; H. Torp; S.H. Eik-Nes (Norway)</i>	OC061
11:31	Fetal lung volume measured by 3-dimensional ultrasound in pregnancies suspected for pulmonary hypoplasia <i>F. Gerards; J. Twisk; J.M.G. van Vugt (Netherlands)</i>	OC062
11:39	Prediction of pulmonary hypoplasia by ultrasonography using estimated fetal lung volume/weight ratio: how accurate is it? <i>R. Ruano; J. Martinovic; A. Benachi; L. Joubin; M. C. Aubry; J.C. Thalabard; Y. Dumez; M. Dommergues (France)</i>	OC063
11:47	The effect of 3D/4D ultrasound on parental-fetal bonding <i>D. Pretorius<sup>1</sup>; S. Gattu<sup>1</sup>; R. Newton<sup>1</sup>; E.K. Ji<sup>2</sup>; A.D. Hull<sup>1</sup>; D.A. D'Agostini<sup>1</sup>; S.M. Carmona-Cooke<sup>1</sup>; T.R. Nelson<sup>1</sup></i> <sup>1</sup> (USA); <sup>2</sup> (Republic of Korea)	OC064
11:55	Round up comments <i>H.G. Blaas (Norway)</i>	
	Related posters	P09.06–P09.11

## 10:30-12:00 Parallel: IUGR I Room: K2

	Chairs: J. Wladimiroff (Netherlands); A. Abuhamad (USA)	
10:30	Overview of session <i>A. Abuhamad (USA)</i>	
10:40	Uterine artery resistance at 10-14 weeks of gestation is correlated with trophoblast apoptosis <i>F. Prefumo; L.J. Ayling; P.R. Dash; J.E. Cartwright; B. Thilaganathan; G. StJ. Whitley (UK)</i>	OC065
10:48	Mid trimester screening for pre-eclampsia using transvaginal uterine artery Doppler and maternal demographic characteristics in 16806 pregnancies <i>A. Papageorgiou<sup>1</sup>; C.K.H. Yu<sup>1</sup>; I. Erasmus<sup>2</sup>; H.S Cuckle<sup>1</sup>; K.H. Nicolaidis<sup>1</sup></i> <sup>1</sup> (UK); <sup>2</sup> (South Africa)	OC066
10:56	Hypertension in pregnancy: a need for a clinical classification <i>H. Valensise; G.P. Novelli; B. Vasapollo; P. Pasqualetti; G. Di Piero; D. Arduini; A. Galante (Italy)</i>	OC067
11:04	Total vascular resistance as a target for pharmacological treatment of early mild gestational hypertension <i>G.P. Novelli; H. Valensise; B. Vasapollo; G. Di Ruzza; G. Faticanti; A. Galante; D. Arduini (Italy)</i>	OC068
11:12	New view on fetal blood flow redistribution <i>K. Vetter; Ö. Kilavuz (Germany)</i>	OC069
11:27	Venous Doppler and fetal heart rate changes in growth restriction: the TRUFFLE study <i>C. Lees (UK)</i>	OC070
11:42	Uterine artery Doppler in the third trimester <i>G. Pilu; T. Ghi; M. Segata; G. Simonazzi; A. Perolo; N. Rizzo (Italy)</i>	OC071
11:57	Round up comments <i>J. Wladimiroff (Netherlands)</i>	
	Related posters	P05.01–P05.30 P08.01–P08.14

# Thursday 2 September 2004

## 10:30-12:00 Parallel: Abnormal uterine bleeding and menorrhagia Room: K11

	Chairs: A. Parsons (USA); C. Exacoustos (Italy)	
10:30	Overview <i>A. Parsons (USA)</i>	
10:40	A new approach to ultrasound guided procedures on the uterus <i>I. Timor-Tritsch (USA)</i>	OC072
10:55	What a surgeon needs to know from ultrasound before operating on the uterus <i>O. Istre (Norway)</i>	OC073
11:10	Ultrasound-guided surgery - video demonstration <i>A. Parsons (USA)</i>	
11:30	Endometrial sampling during sonohysterography and directed biopsy during hysteroscopy for diffuse endometrial lesions: a comparative study <i>F.P.G. Leone; L. Carsana; C. Lanzani; L. Vago; E. Ferrazzi (Italy)</i>	OC074
11:38	Reproducibility of the measurement of submucous fibroid protrusion into the uterine cavity using three-dimensional saline infusion sonohysterography <i>C. Lee; R. Salim; D. Ofili-Yebovi; P. Cassik; J. Yazbek; D. Jurkovic (UK)</i>	OC075
11:46	Sono-biopic based triage for abnormal uterine bleeding in patients with endometrial thickness >4mm : preliminary report of 310 prospective cases <i>F.P.G. Leone; L. Carsana; C. Lanzani; L. Vago; E. Ferrazzi (Italy)</i>	OC076
11:54	Round up comments <i>A. Parsons (USA)</i>	

## 12:00-14:00 Lunch - exhibition area / sponsors live scanning - mezzanine

## 12:00-12:45 Chaired poster discussion groups Exhibition Hall

P05 and P08 – IUGR pre-eclampsia	Chairs: E. Ferrazzi (Italy); K. Ritchie (Canada)
P06 – The endometrium	Chair: A. Parsons (USA)
P07 – Functional studies in obstetrics	Chair: A. Baschat (USA)

## 12:45-13:45 \*GE - satellite symposium: "TruVolume Ultrasound - new clinical applications in prenatal diagnosis (fetal heart, brain....)" Room: K1

Speakers: B. Benoit (France); R. Chaoui (Germany); G. DeVore (USA)

## 14:00-15:30 Parallel: IUGR II \*\*Sponsored by Siemens Room: K1

	Chairs: S. Gudmundsson (Sweden); J. Rasanen (Finland)	
14:00	Perinatal Doppler: clinical application of physiological principles - lecture around live demonstration <i>A.A. Baschat (USA)</i>	OC077
14:30	Aortic isthmus <i>J-C. Fouron (Canada)</i>	OC078
14:45	The degree of shunting in growth restricted fetuses <i>T. Kiserud; K. Press; C. Ebbing; S. Rasmussen (Norway)</i>	OC079
15:00	Antenatal identification of fetuses small for gestational age improves fetal outcome <i>P.G. Lindqvist; J. Molin (Sweden)</i>	OC080
15:08	In placental insufficiency suboptimal neurodevelopmental outcome of very preterm infants is related to cardiovascular compromise during fetal period <i>J. Räsänen; T. Kaukola; M. Hallman (Finland)</i>	OC081
15:16	Vascular growth and function in late adolescence after intrauterine growth restriction <i>J. Brodzki; D. Ley; T. Länne; K. Marsal (Sweden)</i>	OC082
15:24	Round up comments <i>S. Gudmundsson (Sweden)</i>	
	Related posters	P05.01–P05.30 P08.01–P08.14

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# Thursday 2 September 2004

## 14:00-15:30 Parallel: Controversies in obstetric management Room: K2

	Chairs: L. De Crespigny (Australia); K. Nicolaides (UK)	
14:00	Is ultrasound safety an issue for the practitioner? <i>J.S. Abramowicz (USA)</i> Discussion	OC083
14:20	A survey of temperature rise in diagnostic inter-cavity ultrasound probes due to self-heating <i>A.L.T. Killingback; V.R. Newey; J. Chan; C.M. Buland; D.K. Nassiri (UK)</i>	OC084
14:28	Fetal scanning with 3D/4D technology: potential consequences for fetal exposure compared to 2D ultrasound scanning <i>T. Nelson<sup>1</sup>; D. H. Pretorius<sup>1</sup>; R. Lorene<sup>1</sup>; E.K. Ji<sup>2</sup></i> <i><sup>1</sup>(USA); <sup>2</sup>(Republic of Korea)</i>	OC085
14:36	Selective fetocide in monozygotic twins <i>J. Deprest; L. Lewi; J. Jani; R. Devlieger; I. Witters; D. Timmerman; D. Van Schoubroeck (Belgium)</i> Discussion	OC085a
14:56	Antenatal assessment of fetal infection with cytomegalovirus <i>M. Yamamoto; F. Jacquemard; O. Picone; J.M. Costa; Y. Ville (France)</i>	OC086
15:04	Is patient demand sufficient indication for ultrasound in pregnancy - debate <i>L. Platt (USA); I. Meizner (Israel)</i>	
15:24	Round up comments <i>K. Nicolaides (UK)</i>	

## 14:00-15:30 Parallel: Infertility and ovarian dysfunction Room: K11

	Chairs: M. Wikland (Sweden); N. Raine-Fenning (UK)	
14:00	Overview <i>M. Wikland (Sweden)</i>	
14:10	The heterogenous nature of polycystic ovaries <i>C. Battaglia; F. Mancini; N. Persico; D. de Aloysio (Italy)</i>	OC088
14:25	The role of 3D and power Doppler in reproductive medicine <i>N.J. Raine-Fenning (UK)</i>	OC089
14:40	Interactive demo - HyCoSy and the pivotal scan <i>S. Granberg; E. Ekerhovd; G. Fried (Sweden)</i>	OC090
15:00	3D endometrial volume on day of hCG and IVF outcome: a prospective study <i>M.M. Aboulghar; M.A. Aboulghar; H. Al-Inany; A. Abousetta; G.I. Serour; R.T. Mansour (Egypt)</i>	OC091
15:08	Demonstration of endometrial contractions by 3D/4D volume contrast imaging <i>A. Kratochwil; M. Noe; M. Putzer (Austria)</i>	OC092
15:16	Comparison of follicular vascularization between normal and polycystic ovaries during IVF as measured using 3D power Doppler ultrasonography <i>I. Järvelä<sup>1</sup>; P. Sladkevicius<sup>2</sup>; S. Kelly<sup>3</sup>; K. Ojha<sup>4</sup>; S. Campbell<sup>5</sup>; G. Nargund<sup>6</sup></i> <i><sup>1</sup>(Finland); <sup>2</sup>(Sweden); <sup>3</sup>(New Zealand); <sup>4</sup>(UK)</i>	OC093
15:24	Round up comments <i>N.J. Raine-Fenning (UK)</i>	
	Related posters	P04.20–P04.32

## 15:30-16:00 Coffee break - exhibition area / sponsors live scanning - mezzanine

## 16:00-17:15 Parallel: Developments in imaging Room: K1

	Chairs: I. Zador (USA); P. Arbeille (France)	
16:00	3D ultrasonography teleoperated by robotic arm <i>P. Arbeille<sup>1</sup>; J. Ruiz<sup>2</sup>; M. Chevillot<sup>1</sup>; F. Perrotin<sup>1</sup>; P.H. Hervé<sup>1</sup>; P. Vieyres<sup>1</sup>; G. Poisson<sup>1</sup></i> <i><sup>1</sup>(France); <sup>2</sup>(Spain)</i>	OC094
16:10	Synthetic aperture imaging in medical ultrasound <i>S.I. Nikolov; K.L. Gammelmark; M.H. Pedersen; B.G. Tomov; J.A. Jensen (Denmark)</i>	OC095
16:25	Telemedicine's role in diagnosis and management <i>D.H. Pretorius (USA)</i>	OC096
16:40	Ultrasound antenatal diagnosis and visualization of facial clefting aided by a new technique: the 3D "reverse face" view <i>S. Campbell (UK)</i>	
16:48	Tissue Doppler gated (TDOG) dynamic 3D ultrasound – future imaging of the fetal heart? <i>S. Eik-Nes; S. Brekke; E. Tegnander; H.G. Torp (Norway)</i>	OC097
16:56	Automated nuchal translucency measurement in fetal ultrasound images <i>D.K. Nassiri; V.R. Newey; A. Bhide; B. Thilaganathan (UK)</i>	OC098

# Thursday 2 September 2004

17:04 How well is normal fetal anatomy visualised at post-mortem MRI? OC099  
*A. Breeze; N. Coleman; J.J. Cross; G.A. Hackett; F.A. Jessop; I. Joubert; C.C. Lees; D.J. Lomas; P.A.K. Set; A.L. Whitehead; The Cambridge PM MRI Study Group (UK)*

17:12 Round up comments  
*I. Zador (USA)*

Related posters P09.01–P09.05

## 16:00-17:15 Parallel: Multiple pregnancy I

Room: K2

Chairs: R. Quintero (USA); W. Sepulveda (Chile)

16:00 Overview  
*R. Quintero (USA)*

16:10 TRAP sequence: fetoscopic laser treatment OC100  
*K. Hecher<sup>1</sup>; A. Huber<sup>1</sup>; E. Gratacos<sup>2</sup>; Y. Ville<sup>3</sup>; J. Deprest<sup>4</sup>  
<sup>1</sup>(Germany); <sup>2</sup>(Spain); <sup>3</sup>(France); <sup>4</sup>(Belgium)*

16:25 Selective fetocide in complicated monochorionic twin pregnancies using ultrasound guided bipolar cord coagulation. OC101  
 Experience with 46 cases  
*R. Robyr; M. Yamamoto; Y. Ville (France)*

16:33 Accurate dating of discordant twins in the first trimester OC102  
*L.J. Salomon; O. Cavicchioni; J.P. Bernard; M. Duyme; Y. Ville (France)*

16:41 Fertility and pregnancy outcome after fetoscopic surgery OC103  
*L. Lewi; G. Vandenberghe; J. Deprest (Belgium)*

16:49 Prenatal diagnosis and obstetric outcomes in triplet pregnancies in relation to chorionicity OC104  
*A. Geipel; C. Berg; A. Katalinic; H. Plath; M. Hansmann; U. Germer; U. Gembruch (Germany)*

16:57 Fetoscopic surgery in triplet pregnancies – a multicenter case series OC105  
*J. Deprest<sup>1</sup>; D. Van Schoubroeck<sup>1</sup>; G. Ryan<sup>2</sup>; E. Carreras<sup>3</sup>; J. Jani<sup>1</sup>; T. Higuera<sup>3</sup>; E. Gratacos<sup>3</sup>  
<sup>1</sup>(Belgium); <sup>1</sup>(Canada); <sup>3</sup>(Spain)*

17:05 Round up comments  
*W. Sepulveda (Chile)*

Related posters P12.01–P12.30

## 16:00-17:00 Parallel: The endometrium

Room: K11

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

16:00 Overview  
*E. Ferrazzi (Italy)*

16:10 The effect of SERMs on the postmenopausal endometrium OC106  
*S.R. Goldstein (USA)*

16:25 Are Doppler, sonohysterography and evaluation greyscale morphology useful in the assessment of OC107  
 postmenopausal bleeding?  
*E.E. Epstein; L. Valentin (Sweden)*

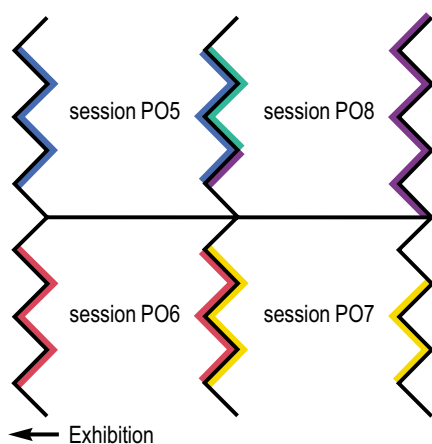
16:40 Vascularization in endometrial hyperplasia and carcinoma as assessed by transvaginal 3D power-Doppler sonography OC108  
*J.L. Alcázar; M. García-Manero; G. Castillo; I. Pombo; R. Galván (Spain)*






16:48 Ultrasound examination of the endometrium before and after Pipelle® endometrial sampling: a preliminary prospective OC109  
 series  
*T. Van den Bosch; D. Van Schoubroeck; D. Timmerman (Belgium)*

16:56 Round up comments  
*E. Ferrazzi (Italy)*

Related posters P06.01–P06.16

# Thursday Poster Sessions



Poster Session	Posters	PowerPoint Posters
 IUGR/pre-eclampsia I	P05.01 - P05.14	P05.16 - P05.30
 The endometrium	P06.01 - P06.16	
 Functional studies in Obstetrics	P07.01 - P07.14	P07.15 - P07.22
 IUGR/pre-eclampsia II	P08.01 - P08.06	P08.07 - P08.14
 New developments		
Improvements in imaging	P09.01 - P09.05	
3D/4D ultrasound	P09.06 - P09.11	
Doppler	P09.13 - P09.14	

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## Thursday 2 September 2004

### IUGR / pre-eclampsia I

	Abstract No.	
Regional responses in middle cerebral artery in severely growth restricted fetuses: preliminary reports of postnatal follow up <i>G. Nazzaro (Italy)</i>	P05.01	
Volume flow measurements in normal pregnancies and fetal growth restriction <i>J. Leone (UK)</i>	P05.02	
Longitudinal antenatal testing alterations in severe IUGR fetuses <i>E. Cosmi (Italy)</i>	P05.03	
Timing of delivery in pregnancies with extremely preterm growth-restricted fetuses <i>P. Malcus (Sweden)</i>	P05.04	
Longitudinal evaluation of fetal heart rate variability and middle cerebral artery indices in preterm growth restricted fetuses <i>M. Onofriescu (Romania)</i>	P05.05	
Growth-retarded fetus with absent end-diastolic velocity in umbilical artery: the reason for fetal umbilical blood analysis? <i>J.M. Troyano (Spain)</i>	P05.06	
Absence or reverse flow in end diastolic velocity of umbilical artery (AEDV), still the easiest and the best predictor of perinatal mortality ever described <i>R. Gonzalez (Chile)</i>	P05.07	
Human fetal cardiovascular hemodynamics and umbilical artery N-terminal peptide of proB-type natriuretic peptide in placental insufficiency <i>A. Girsén (Finland)</i>	P05.08	
Feto-neonatal outcome in antithrombin (AT) therapy high doses <i>D.M. Paternoster (Italy)</i>	P05.09	
Perinatal outcome of small for gestational age babies born after 34 weeks of gestation: role of prenatal surveillance <i>A. Fichera (Italy)</i>	P05.10	
A new three dimensional (3D) ultrasound formula for calculating weight in the small fetus <i>J. Siemer (Germany)</i>	P05.11	
Longitudinal growth of intracerebral structures assessed by ultrasound; comparison between AGA and IUGR fetuses <i>F. Perrotin (France)</i>	P05.12	
A case of severe intra-uterine growth restriction diagnosed at 18 weeks' gestation resulting in a live born female at 28 weeks <i>A. Heazell (UK)</i>	P05.13	
Investigation of intraplacental villous arteries of high-risk pregnancy by color Doppler flow imaging (CDFI) and power Doppler imaging (PDI) in predicting the pregnant outcome <i>Q.Q. Wu (Peoples Republic of China)</i>	P05.14	
Incidence of hypertensive pregnancy disorders according to the severity of umbilical artery Doppler waveforms <i>S. Lanz (Switzerland)</i>	P05.16	PPT
Arterial and venous cerebral circulatory responses to acute hypoxemia in growth restricted human fetuses with brain-sparing blood flow <i>J. Fu (Sweden)</i>	P05.17	PPT
Doppler velocimetry in M1 and M2 segments of middle cerebral artery in pregnancies complicated by intrauterine growth restriction <i>M. Dubiel (Poland)</i>	P05.18	PPT
Middle cerebral artery Doppler velocimetry in fetuses with intrauterine growth restriction: correlation with perinatal outcome and with neonatal brain sonography <i>R. Hershkovitz (Israel)</i>	P05.19	PPT
The association of antenatal blood flow with neonatal brain damage in very low birth-weight infants <i>E. Ekholm (Finland)</i>	P05.20	PPT
Monitoring of fetuses with intrauterine growth restriction: an observational study for the evaluation of new predictive parameters <i>C. Montoneri (Italy)</i>	P05.21	PPT



# Thursday Poster Sessions

	Abstract No.	
Timing of delivery of IUGR fetuses on the basis of hemodynamic changes <i>E. Cosmi (Italy)</i>	P05.25	PPT
Prognostic factors for survival in fetuses with reverse end-diastolic flow on Doppler umbilical artery velocimetry <i>S. Lanz (Switzerland)</i>	P05.26	PPT
Abnormal end-diastolic flow pattern in the umbilical artery and perinatal mortality <i>A. Cromi (Italy)</i>	P05.27	PPT
Can we improve fetal growth acting on maternal cardiac function? A pilot study <i>B. Vasapollo (Italy)</i>	P05.28	PPT
Nitric oxide donor in pregnancy induced hypertension <i>M. Ropacka (Poland)</i>	P05.29	PPT
What is fetal kidney length in toxemia with renal hyperechogenicity? <i>T. Bitó (Hungary)</i>	P05.30	PPT

## The endometrium

Comparison of hysterosonography and endovaginal 3D sonography in the diagnosis of endouterine and endometrial pathologies <i>C. Van Pachterbeke (Belgium)</i>	P06.01	
Color Doppler transvaginal ultrasonography for detecting intrauterine pathology in patients with abnormal uterine bleeding <i>B. Graupera (Spain)</i>	P06.02	
Sonographic assessment of vacular patterns of endometrial lesions <i>R. Neiger (USA)</i>	P06.03	
Efficacy and efficiency of sonographic based triage for benign uterine lesions <i>F.P.G. Leone (Italy)</i>	P06.04	
Correlation of preoperative endometrial sampling with pathology in symptomatic and asymptomatic patients with known endometrial polyps <i>J. Lerner (USA)</i>	P06.05	
Cesarean section scar as a cause of abnormal uterine bleeding <i>J.I. Yang (Republic of Korea)</i>	P06.06	
Conservative management of deep adenomyosis treated with a levonorgestrel-releasing intrauterine system: a sonographic based triage <i>F.P.G. Leone (Italy)</i>	P06.07	
The accuracy of sonohysterographical versus hysteroscopic evaluation of submucosal myomas penetrating myometrium in therapeutic qualification <i>A. Ludwin (Poland)</i>	P06.08	
Sonohysterography with endometrial sampling in the pre-operative assessment of submucous myomas <i>F.P.G. Leone (Italy)</i>	P06.09	
Transrectal intraoperative ultrasonography assisted hysteroscopic myomectomy <i>A. Ludwin (Poland)</i>	P06.10	
Intra-uterine fluid collection in postmenopausal women with cervical stenosis <i>A. Debby (Israel)</i>	P06.11	
Combination of endometrial thickness and time since menopause in predicting endometrial cancer in women with postmenopausal bleeding <i>R. Aviram (Israel)</i>	P06.12	
Transdermal HRT and Doppler findings in normo and hypertensive postmenopausal women <i>N. Persico (Italy)</i>	P06.13	
Real time transvaginal sonographic imaging of intrauterine surgery <i>R. Hershkovitz (Israel)</i>	P06.14	
Ovarian hyperstimulation by Tamoxifen in premenopausal breast cancer patients <i>S. Pinheiro (USA)</i>	P06.15	
Transrectal ultrasonography with simultaneous outpatients hysteroscopy in diagnostics of uterine cavity pathologies after hysteroscopic electro destruction of endometrium <i>A. Ludwin (Poland)</i>	P06.16	

## Functional studies in obstetrics

Gender-specific effect of umbilical ring constriction on Wharton's jelly of the umbilical cord <i>S.V. Skulstad (Norway)</i>	P07.01	
Correlation of umbilical Doppler velocimetry and fetal heart rate variability in pregnancies complicated by pregestational diabetes mellitus <i>M. Onofriescu (Romania)</i>	P07.02	
Placental Doppler velocimetry in gestational diabetes mellitus <i>M. Pietryga (Poland)</i>	P07.03	
Comparison between color Doppler - and spectral Doppler derived peak velocity in the umbilical vein <i>M. Gerada (Netherlands)</i>	P07.04	
Does the presence of nuchal cord(s) detected with prenatal color Doppler imaging affect fetal cerebral blood flow? <i>M. Dalloul (USA)</i>	P07.05	

# Thursday Poster Sessions

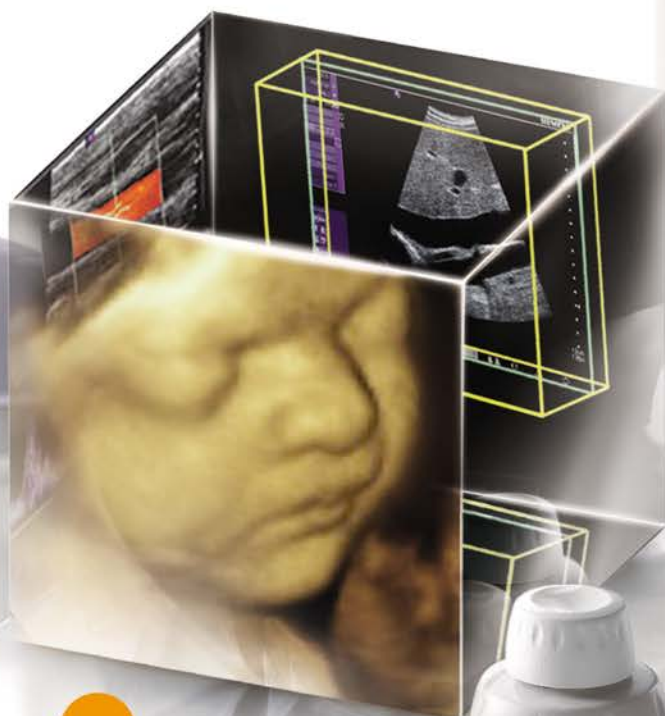
	Abstract No.	
Predictive value of peak systolic velocity in the middle cerebral artery to detect fetal anemia in red-cell alloimmunized pregnancies beyond 35 weeks <i>J.E. Sanin-Blair (Spain)</i>	P07.07	
Middle cerebral artery Doppler for the prediction of fetal anemia in pregnancies complicated by red cell alloimmunisation <i>N. Beurre-Lepori (Switzerland)</i>	P07.08	
A review of the outcome of patients presenting with diminished fetal movements. Is ultrasound assessment of growth and liquor volume helpful? <i>A. Heazell (UK)</i>	P07.10	
Which are the normal computerized fetal heart rate values throughout gestation? <i>V. Serra (Spain)</i>	P07.11	
Hemodynamic analysis of the fetal renal artery of oligohydroamnion using color Doppler ultrasound - comparison with normal fetuses by a longitudinal study <i>T. Iura (Japan)</i>	P07.12	
Reference ranges for umbilical vein blood flow in the second half of pregnancy based on longitudinal data <i>G. Acharya (Norway)</i>	P07.13	
Reference ranges for serial measurements of umbilical artery Doppler indices in the second half of pregnancy <i>G. Acharya (Norway)</i>	P07.14	
Umbilical vein blood flow assessment in the human fetus: intra- and inter-observer comparison between two methodologies <i>S. Boito (Italy)</i>	P07.15	PPT
Changes in hemodynamic profile related with nuchal cord as a marker of poor prognosis <i>J.M. Troyano (Spain)</i>	P07.16	PPT
Middle cerebral artery Doppler indices at different sites: association with umbilical cord gases in prolonged pregnancies <i>F. Figueras (Spain)</i>	P07.17	PPT
Influence of calcium antagonists on middle cerebral artery velocities in fetuses <i>J. Nizard (France)</i>	P07.18	PPT
Ultrasonic fetal and placental tissue characterization and role of Doppler ultrasound in lung maturity <i>M. Podobnik (Croatia)</i>	P07.19	PPT
Indomethacin given to pregnant women increases incidence and duration of fetal breathing movements <i>F. Guerra (Chile)</i>	P07.20	PPT
Prenatal diagnosis of the fetal renal diseases by the hemodynamic analysis of fetal renal artery by color Doppler ultrasound <i>C. Sasakura (Japan)</i>	P07.21	PPT
Venous Doppler sonography in fetal hydrops <i>C. Hofstaetter (Norway)</i>	P07.22	PPT
<b>IUGR / pre-eclampsia II</b>		
Relationship of uterine artery Doppler and trophoblast invasion in the first trimester of pregnancy <i>R. Ganapathy (UK)</i>	P08.01	
Multivariate analysis of uterine artery Doppler parameters and clinical risk factors at 11-14 weeks of gestation for the prediction of preeclampsia and its associated complications <i>O. Gómez (Spain)</i>	P08.02	
The effect of palm vitamin E supplementation on first and second trimesters uterine artery Doppler waveform - a preliminary report <i>H.H. Siraj (Malaysia)</i>	P08.03	
Association of second trimester uterine artery doppler, thrombophilia and pregnancy outcome <i>A. Hagen (Germany)</i>	P08.04	
Intrauterine oxidative stress and Doppler flussimetry in fetuses with IUGR <i>G. Centini (Italy)</i>	P08.05	
The effect of palm vitamin E supplementation on fetal growth and birth weight - a preliminary report <i>H.H. Siraj (Malaysia)</i>	P08.06	
First trimester uteroplacental perfusion and fetal growth <i>E. Baez (Germany)</i>	P08.07	PPT
Prediction of severe pregnancy complications by uterine artery Doppler <i>R. Axt-Fliedner (Germany)</i>	P08.08	PPT
Clinical value of mid-pregnancy uterine artery Doppler velocimetry in the prediction of pregnancy complications <i>H. Joern (Germany)</i>	P08.09	PPT
Polymorphism of Angiotensin II type 1 receptor gene and umbilical blood flow velocimetry in preeclampsia <i>M. Dubiel (Poland)</i>	P08.10	PPT
A survey of prevalence of preeclampsia & pregnancy induced hypertension in diabetic mothers <i>S. Khazardoost (Iran)</i>	P08.11	PPT
Outcome of pregnancies where fetuses are smaller than expected at second trimester ultrasound <i>M. Thorsell (Sweden)</i>	P08.12	PPT
Individualized growth standards for the fetal arm in normal pregnancies <i>W. Lee (USA)</i>	P08.13	PPT

# Thursday Poster Sessions

	Abstract No.
Ultrasound derived fetal growth curves for a Jamaican population <i>S. Kulkarni (Jamaica)</i>	P08.14
<b>New developments</b>	
<b>I: Improvements in imaging</b>	
The applications of prenatal MRI: the value and limitations <i>J.C. Shin (South Korea)</i>	P09.01
Accuracy of magnetic resonance imaging for measuring fetal lamb lungs and organs <i>J. Jani (Belgium)</i>	P09.02
What is the value of MRI post-mortem in pregnancy loss? Results from a pilot study <i>A. Breeze (UK)</i>	P09.03
Remote fetal medicine consultation using video streaming <i>A. Thuring (Sweden)</i>	P09.04
Diffusion-weighted MRI in the evaluation of placental changes before and after laser coagulation treatment in twin-to-twin transfusion syndrome: preliminary results <i>J. Jani (Belgium)</i>	P09.05
<b>II: 3D/4D ultrasound</b>	
3D ultrasonography performed by junior observer. Its role in improving diagnostic accuracy <i>M.A. Pascual (Spain)</i>	P09.06
Three-dimensional (3D) ultrasound with transparent minimal mode rendering and its application in prenatal diagnosis <i>K.S. Heling (Germany)</i>	P09.07
Three dimensional first trimester fetal volumetry; comparison with crown-rump length <i>R. Aviram (Israel)</i>	P09.08
Placental volume measurements performed by three dimensional sonography between 11-13 weeks' gestation <i>R. Hershkovitz (Israel)</i>	P09.09
Indications and parental perception of 3D/4D obstetrical ultrasound scan in a private center in Argentina <i>D. Cafici (Argentina)</i>	P09.10
What is the precision of 3D ultrasound in estimating fetal lung volume in congenital diaphragmatic hernia? <i>R. Ruano (France)</i>	P09.11
<b>III: Doppler</b>	
Clinical application of 3D power Doppler ultrasound in fetal medicine and reproductive biology <i>F.M. Chang (Taiwan)</i>	P09.13
In search of a novel methodology to measure uterine arteries blood flow in pregnancy <i>S. Rigano (Italy)</i>	P09.14



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# Friday 3 September 2004

## 08.30-10:00 Parallel: Screening for chromosomal abnormalities \*\*Sponsored by Medison Room: K1

	Chairs: K. Nicolaides (UK); A. Tabor (Denmark)	
08:30	Overview <i>A. Tabor (Denmark)</i>	
08:40	Live demonstration - fetal NT and nasal bones <i>K. Nicolaides (UK)</i>	
09:00	Detection of Down's syndrome by routine ultrasound examination at 12-14 vs. at 15-20 gestational weeks. A randomised controlled trial in 40 000 women - preliminary results <i>S. Saltvedt; H. Almstrom; M. Kublickas; L. Valentin; C. Grunewald (Sweden)</i>	OC110
09:08	Discussion	
09:15	First trimester screening for Down's syndrome by "Consecutive Combined Test" in a high-risk population <i>K.M. Schiøtt; M. Christiansen; O.B. Petersen; N. Uldbjerg (Denmark)</i>	OC111
09:23	If nuchal translucency screening is combined with 1st trimester serum screening the need for invasive testing for Down's syndrome decreases <i>A. Marisk; H. Almström; S. Saltvedt; C. Grunewald; L. Valentin (Sweden)</i>	OC112
09:31	Prevalence and risk of trisomy 21 following negative (<1/250) combined screening with maternal age, nuchal translucency and maternal serum markers at 11-14 weeks. A role for the genetic scan? <i>J.P. Bernard; L. Bussieres; P. Rozenberg; Y. Ville (France)</i>	OC113
09:39	Two-stage combined nuchal plus triple test screening: the 'pragmatic' test <i>B. Vijayalakshmi; C. Lees; S. Goodburn; N. Morris; A. Breeze; G. Hackett (UK)</i>	OC114
09:47	Discussion and round up comments <i>K. Nicolaides (UK)</i>	
	Related posters	P10.01-P10.31

## 08.30-10:00 Parallel: Multiple pregnancy II Room: K11

	Chairs: Y. Ville (France); K. Hecher (Germany)	
08:30	Overview <i>K. Hecher (Germany)</i>	
08:35	Update on laser treatment in TTTS <i>Y. Ville<sup>1</sup>; M. Boulvain<sup>2</sup>; J. Deprest<sup>3</sup>; M.V. Senat<sup>1</sup>; N. Winer<sup>4</sup>; A. Paupe<sup>1</sup> (France); <sup>2</sup>(Switzerland); <sup>3</sup>(Belgium)</i>	OC116
08:50	Laser therapy for monochorionic diamniotic twin gestations affected by selective intrauterine growth retardation and absent end-diastolic velocity of the umbilical artery <i>R. Quintero (USA)</i>	OC117
09:05	A pilot study to assess the role of placental MR imaging to predict placental distribution and the position of the vascular equator in twin-to-twin transfusion syndrome <i>L. Lewi; M. Cannie; V. Vandecaveye; J. Jani; S. Dymarkowski; J. Deprest (Belgium)</i>	OC118
09:13	Prognostic factors for preterm delivery in twin-to-twin transfusion syndrome (TTTS) treated by laser coagulation <i>R. Robyr<sup>1</sup>; M. Boulvain<sup>2</sup>; L. Ortqvist<sup>1</sup>; L. Lewi<sup>3</sup>; A. Huber<sup>4</sup>; K. Hecher<sup>5</sup>; J. Deprest<sup>6</sup>; Y. Ville<sup>7</sup> (France); <sup>2</sup>(Switzerland); <sup>3</sup>(Belgium); <sup>4</sup>(Germany)</i>	OC119
09:21	Persistent elevation of cell-free fetal DNA levels in maternal plasma following selective laser coagulation of chorionic plate anastomoses in twin-twin transfusion syndrome <i>J. Jani<sup>1</sup>; T. Wataganara<sup>2</sup>; E. Gratacos<sup>3</sup>; J. Becker<sup>4</sup>; L. Lewi<sup>5</sup>; L.M. Sullivan<sup>2</sup>; D.W. Bianchi<sup>2</sup>; J.A. Deprest<sup>6</sup> (Belgium); <sup>2</sup>(USA); <sup>3</sup>(Spain)</i>	OC121
09:29	Operative and postoperative complications in 120 foetoscopies for laser treatment in twin to twin transfusion syndrome (TTTS) <i>L. El Murr; M. Yamamoto; Y. Ville (France)</i>	OC122
09:37	Prevalence of congenital heart disease in the neonatal period in TTTS treated by laserphotocoagulation <i>I. Witters; M. Gewillig; L. Lewi; D. Van Schoubroeck; E. Gratacos; J. Jani; R. Devlieger; J. Deprest (Belgium)</i>	OC123
09:45	Intrauterine fetal demise (IUFD) following laser treatment in twin to twin transfusion syndrome (TTTS) <i>O. Cavicchioni; M. Yamamoto; R. Robyr; Y. Ville (France)</i>	OC124
09:53	Round up comments <i>Y. Ville (France)</i>	
	Related posters	P12.01-P12.30

## 10:00-10:30 Coffee break - exhibition area / sponsors live scanning - mezzanine

# Friday 3 September 2004

10:30-12:00	Parallel: The 11-14 week anomaly scan **Sponsored by Philips	Room: K1
	Chairs: K. Nicolaides (UK); M. Westgren (Sweden)	
10:30	Live scan demonstration <i>K. Nicolaides (UK); M. Bronshtein (Israel)</i>	
10:50	Video presentation of early detected fetal heart defects at 11 to 14 weeks <i>A. Gasioerek-Wiens (Germany)</i>	
10:55	Video presentation of fetal anomalies at 11-14 weeks <i>M. Bronshtein (Israel)</i>	
11:00	Ultrasound dating at 12-14 weeks of gestation. Which dating formula is best? <i>P. Sladkevicius; S. Saltvedt; C. Grunewald; M. Kublickas; H. Almström; L. Valentin (Sweden)</i>	OC125
11:08	First-trimester growth discordance in twins: descriptive study <i>O. Cavicchioni; L.J. Salomon; J.P. Bernard; M. Duyme; Y. Ville (France)</i>	OC126
11:16	Increased nuchal translucency and distended jugular lymphatic sacs by first-trimester ultrasound <i>M. Bekker; M.C. Haak; M. Rekoert-Hollander; J. Twisk; J.M.G. van Vugt (Netherlands)</i>	OC127
11:24	Cardiac failure in fetuses at 11-14 weeks' gestation <i>U. Germer; A. Geipel; M. Krapp; C. Berg; R. Axt-Fliedner; T. Kohl; U. Gembruch (Germany)</i>	OC128
11:32	Detection of fetal structural abnormalities by a 10-14-week ultrasound dating scan in an unselected Swedish population <i>M. Cedergren; A.J. Selbing (Sweden)</i>	OC129
11:40	Prospective follow-up of children with nuchal translucency above the 99th percentile at 11-14 weeks with normal karyotype. Results at 3 years <i>J. Nizard; S. Couderc; M.V. Senat; J. Roume; Y. Ville (France)</i>	OC130
11:48	Round up comments <i>K. Nicolaides (UK)</i>	
	Related posters	P14.01-P14.09

10:30-12:00	Parallel: Ultrasound to guide the surgical approach	Room: K11
	Chairs: D. Jurkovic (UK); O. Istre (Norway)	
10:30	Overview <i>D. Jurkovic (UK)</i>	
10:40	Selecting women with pelvic pain for laparoscopic intervention <i>E. Okaro; Z. Haider (UK)</i>	OC131
10:55	Abnormal uterine bleeding: using ultrasound to avoid unnecessary intervention <i>S.R. Goldstein (USA)</i>	OC132
11:10	Video demonstration and case studies <i>E. Okaro (UK); L. Valentin (Sweden)</i>	
11:25	Conservative management of sonographically benign ovarian cysts in asymptomatic premenopausal women <i>J.L. Alcázar; G. Castillo; M. García-Manero; I. Pombo; M.A. Mínguez; J. Mazaira (Spain)</i>	OC133
11:33	Can we safely manage more tubal ectopic pregnancies conservatively? <i>E. Kirk; G. Condous; A. Khalid; Z. Haider; T. Bourne (UK)</i>	OC134
11:41	Evaluation of the tension-free vaginal tape by ultrasound <i>F. Flock; A. Reich; F. Reister; R. Terinde; R. Kreienberg (Germany)</i>	OC135
11:49	2D and 3D pelvic floor ultrasound in the evaluation of suburethral sling implants <i>H.P. Dietz; C. Barry; Y. Lim; A. Rane (Australia)</i>	OC136
11:57	Round up comments <i>D. Jurkovic (UK)</i>	

12:00-13:30 Lunch - exhibition area / sponsors live scanning - mezzanine

12:00-12:30 **ISUOG Annual General Meeting** Room: K24

12:00-12:45 **\*Medison satellite symposium: Clinical Advantages of 3D Multi-Slice View™ Imaging** Room: K1

Chair: K. Nicolaides (UK)  
Speakers: To be announced

12:15-13:15 **\*BRAHMS satellite symposium: Prenatal Screening** Room: K11

Speakers: K. Spencer (UK)  
R. Osmer (Germany)

\*Satellite symposia are brought to you by our sponsors. ISUOG takes no responsibility for scientific or clinical content.

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# Friday 3 September 2004

## 13:30-15:00 Parallel: Developments in perinatal Doppler\*\* Sponsored by Philips Room: K1

	Chairs: D. Maulik (USA); C. Brezinka (Austria)	
13:30	Overview <i>D. Maulik (USA)</i>	
13:40	Fetal tissue doppler - live demonstration (20 weeks) <i>B. Tutschek (Germany); G. Tulzer (Austria)</i>	
14:00	Quantitative description of fetal heart function using tissue Doppler imaging <i>L.U. Larsen; N. Uldbjerg; E. Sloth; O.B. Petersen; K. Soerensen; K. Norrild (Denmark)</i>	OC137
14:08	Power Doppler and fetal organ perfusion <i>K. Marsal; E. Hernandez-Andrade (Sweden)</i>	OC138
14:23	Power angio 3D ultrasound in the diagnosis and follow-up of fetal venous anomalies <i>S. Yagel; S. Porat; T. Imbar; D.V. Valsky; Y. Sciaky-Tamir; E.Y. Anteby (Israel)</i>	OC139
14:31	Reproducibility of three-dimensional (3D) power Doppler ultrasound measurements in the cervix of pregnant women <i>L. Rovas; P. Stadkevicius; E. Strobel; L. Valentin (Sweden)</i>	OC140
14:39	Analysis of power Doppler signals for the evaluation of placental blood flow <i>H. Joern; B. Morgenstern; N. Kahn; W. Rath (Germany)</i>	OC141
14:47	Multigate spectral Doppler analysis, new application in maternal-foetal science <i>G. Urban<sup>1</sup>; M.J. Paidas<sup>2</sup>; G. Bambi<sup>1</sup>; F. Guidi<sup>1</sup>; F. Mecacci<sup>1</sup>; C.J. Lockwood<sup>2</sup>; P. Tortoli<sup>1</sup> (Italy); <sup>2</sup>(USA)</i>	OC142
14:55	Round up comments <i>C. Brezinka (Austria)</i>	

Related posters

P09.13-P09.14

## 13:30-15:00 Parallel: The routine scan - should we be examining asymptomatic women? Room: K11

	Chairs: I. Timor-Tritsch (USA); L. Valentin (Sweden)	
13:30	Overview <i>L. Valentin (Sweden)</i>	
13:40	An update on Tamoxifen <i>S. Granberg; E. Ekerhovd (Sweden)</i>	OC143
13:55	Screening for ovarian cancer - is there any point? <i>L. Platt (USA)</i>	
14:10	Saline contrast sonohysterography diagnosis of endometrial polyps in a general population <i>E. Dreisler; S. Stampe Sorensen (Denmark)</i>	OC145
14:18	Prevalence of adnexal cysts in an autopsy study of postmenopausal women; relation to ultrasound diagnosis and necessity of surgery <i>A. Dørum<sup>1</sup>; G.P. Blom<sup>1</sup>; E. Ekerhovd<sup>2</sup>; S. Granberg<sup>2</sup> (Norway); <sup>2</sup>(Sweden)</i>	OC146
14:26	Asymptomatic endometrial polyps in postmenopausal women: sonographic surveillance or surgery? <i>F.P.G. Leone; C. Lanzani; T. Bignardi; N. Ciminera; E. Ferrazzi (Italy)</i>	OC147
14:34	Reduced ovarian stromal blood flow and elevated serum FSH level after abdominal hysterectomy for benign conditions <i>C.C.W. Chan; E.H.Y. Ng; P.C. Ho (Hong Kong SAR)</i>	OC148
14:42	Paraovarian cysts: diagnostic criteria at transvaginal sonography and sonographic-pathologic correlation <i>L. Savelli; M. Sansovini; M. Ceccaroni; T. Ghi; M. Ceccarini; F. Rosati; S. Venturoli (Italy)</i>	OC149
14:50	Discussion and round up comments <i>I. Timor-Tritsch (USA)</i>	

## 15:00-15:30 Coffee break - exhibition area / sponsors live scanning - mezzanine

## 15:30-17:00 Parallel: Fetal neurosonology I Room: K1

	Chairs: P. Jeanty (USA); H. Almström (Sweden)	
15:30	Overview - both sessions <i>P. Jeanty (USA)</i>	
15:40	Intracranial hemorrhagic and ischemic lesions of the fetal brain – an observational study <i>S. Yagel; U. Elchalal; S. Porat; M. Gomori; L. Beni-Adani; M. Nadjari (Israel)</i>	OC153
15:48	Vascular insult to the fetal brain <i>G. Pili; A. Perolo; T. Ghi; G. Simonazzi; M. Segata; N. Rizzo (Italy)</i>	OC150
16:03	Brain anomalies which escape early prenatal diagnosis <i>G. Malinger (Israel)</i>	
16:18	A novel approach to classification of posterior fossa anomalies <i>M. Bronshtein (Israel)</i>	OC151

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Thursday, September 2nd	Friday, September 3rd
<ul style="list-style-type: none"> <li>■ <b>Live Scanning Exhibition (Full Day)</b> <ul style="list-style-type: none"> <li>• Get hands-on experience in the latest ultrasound technology from the leader in 3D ultrasound, Medison.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Session Sponsorship (8:30 AM ~ 10:00 AM)</b> <ul style="list-style-type: none"> <li>• Screening for Chromosome Abnormalities.</li> <li>• Includes Live Demonstration Session.</li> </ul> </li> <li>■ <b>Medison Satellite Session (12:00 PM ~ 12:45 PM)</b> <ul style="list-style-type: none"> <li>• Clinical Advantages of 3D Multi-Slice View™, Imaging.</li> <li>• Official 3D Multi-Slice View™, Imaging Introductory Information Session.</li> <li>• Includes Live Demonstration Session.</li> </ul> </li> </ul>

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**Room 24, Stockholm International Fairs**

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All full paid delegates at ISUOG's 14th World Congress in Stockholm are automatically enrolled as members of ISUOG through to December 2005 and are encouraged to attend



# Friday 3 September 2004

16:33	Comparison between ultrasound and fetal MRI in normal and abnormal brains for cerebellar pathology <i>A.R. Lawin-O'Brien; S. Kumar; L. Pasquini; W. Dennes; R. Wimalasundera; N.M. Fisk; M.A. Rutherford (UK)</i>	OC152
16:41	Pregnancy outcome of antenatally diagnosed agenesis of the corpus callosum <i>T. Homfray; F. Prefumo; A. Bhide; H. Vandecruys; K.H. Nicolaides; B. Thilaganathan (UK)</i>	OC154
16:49	False negatives of cranial signs in the prediction of spina bifida <i>T. Ghi; G. Pilu; P. Falco; A. Perolo; B. Valeri; D. Santini; M. Segata; N. Rizzo (Italy)</i>	OC155
16:57	Round up comments <i>H. Almström (Sweden)</i>	OC155
	Related posters	P15.01–P15.13

## 15:30-17:00 Parallel: Pelvic floor and urogynecology Room: K11

	Chairs: E. Merz (Germany); H.P. Dietz (Australia)	
15:30	Overview <i>E. Merz (Germany)</i>	
15:35	3D pelvic floor ultrasound in the assessment of the levator ani muscle complex <i>A.B. Steensma; H.P. Dietz (Australia)</i>	OC156
15:43	Live demonstration: 3D ultrasound of the pelvic floor <i>H.P. Dietz (Australia)</i>	
16:03	A sonographic description of perineal tears immediately after delivery <i>A.K. Örnö; K. Maršál (Sweden)</i>	OC157
16:11	Evaluating obstetric tears to the anal sphincter by transperineal 3D ultrasound <i>S. Yagel; D.V. Valsky; Y. Hamani (Israel)</i>	OC158
16:26	Perineal ultrasound to assess the incontinent patient <i>K.Å. Salvesen; S. Mørkved (Norway)</i>	OC159
16:41	Prevalence of defects of the rectovaginal septum <i>A. Steensma; H.P. Dietz (Australia)</i>	OC160
16:49	Bladder prolapse worsens with age - or does it? <i>H.P. Dietz (Australia)</i>	OC161
16:57	Closing remarks <i>E. Merz (Germany)</i>	
	Related posters	P13.01–P13.02

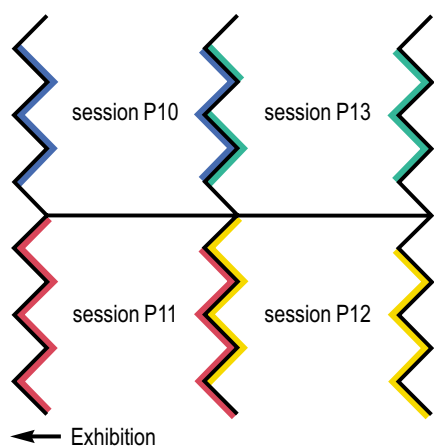
## 17:00-17:45 Chaired poster discussion groups

P10 – Screening for chromosomal abnormalities	Chairs: W. Sepulveda (Chile); B. Thilaganathan (UK)
P12 – Multiple pregnancy	Chairs: R. Quintero (USA); Y. Ville (France)
P13 – Ovarian pathology and gynecological cancer	Chairs: T. Bourne (UK); A. Testa (Italy)

Poster refreshments available, kindly supported by Esaote



# Friday Poster Sessions



## Poster Session

- Screening for chromosomal abnormalities
- Fetal malformations I
- Multiple pregnancy
- Urogynecology
- Ovarian pathology and gynecological cancer

## Posters

P10.01– P10.07  
P10.10 – P10.16  
P10.19  
P10.31  
P11.01 – P11.22  
P12.01 – P12.18  
P12.30  
P13.01 – P13.02  
P13.03 – P13.13

## PowerPoint Posters

P10.08 – P10.09  
P10.17 – P10.18  
P10.20 – P10.30  
P12.19 – P12.29  
P13.14 – P13.25

Poster Sessions sponsored by **ESAOTE**  
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## Friday 3 September 2004

### Screening for chromosomal abnormalities

	Abstract No.	
Professional opinion of nuchal translucency screening in West Midlands <i>S. Kady (UK)</i>	P10.01	
First trimester screening for chromosomal anomalies I - nuchal translucency <i>L. Lopes (Brazil)</i>	P10.02	
First trimester screening of trisomy 21 by nuchal translucency measurement <i>R. Has (Turkey)</i>	P10.03	
Down's syndrome screening in the first trimester using maternal serum markers and nuchal translucency - five years experience <i>V. Frisová (Czech Republic)</i>	P10.04	
Increased nuchal translucency as a sole clue of prenatal diagnosis in a fetus with trisomy 13 <i>S.R. Kim (Republic of Korea)</i>	P10.05	
Jugular lymphatic sac size in normal first trimester development and its relationship with increased nuchal translucency <i>P.N.A.C.M. van Heesch (Netherlands)</i>	P10.06	
Nasal bone assesment in first trimester detection of trisomy 21. Our experience <i>V. Borobic (Spain)</i>	P10.07	
First trimester nasal bones and trisomy 21 in a low-risk population <i>F. Prefumo (UK)</i>	P10.08	PPT
First trimester ductus venosus, nasal bones and trisomy 21 in a high-risk population <i>F. Prefumo (UK)</i>	P10.09	PPT
First trimester screening for chromosomal anomalies II - nasal bone and ductus venosus (pilot study) <i>L. Lopes (Brazil)</i>	P10.10	
Three-dimensional ultrasound measurement of fetal nasal bone length at 15-22 weeks' gestation in Taiwanese women: a preliminary report <i>C.T.C. Hsieh (Taiwan)</i>	P10.11	
Assessment of fetal nasal bone in second trimester using three-dimensional ultrasound: a systematic study comparing multiplanar mode and skeletal mode <i>A. Bergann (Germany)</i>	P10.12	
Absent nasal bone: evolution in a fetus with 47 XYY <i>J. Duyos (Spain)</i>	P10.13	
Choroid plexus cyst: importance of maternal age and serum biochemistry in predicting the risk for aneuploidy <i>O. Török (Hungary)</i>	P10.14	
Development of unconjugated estriol assay for 2nd trimester prenatal screening using DELFIA Xpress random access analyser <i>S. Airene (Finland)</i>	P10.15	
Development of hAFP and free hCG assays for 2nd trimester prenatal screening using DELFIA Xpress random access analyser <i>S. Airene (Finland)</i>	P10.16	
Nuchal translucency measurements in 18000 patients: FMF certified and non certified sonologists compared <i>A. Pigni (Italy)</i>	P10.17	PPT
Outcome of 12-14 week amniocenteses with special reference to paediatric diagnoses <i>Å. Rylander (Sweden)</i>	P10.18	PPT
Down syndrome screening at maternal age $\geq 35$ years with non-intervention examination at 11-13+6 weeks of gestation - a preliminary report <i>I.O. Marsis (Indonesia)</i>	P10.19	
First trimester screening for fetal triploidy based on fetal biometry at 11-14 weeks <i>L.J. Salomon (France)</i>	P10.20	PPT

# Friday Poster Sessions

	Abstract No.	
Karyotype and outcome of 43 fetuses diagnosed in the first trimester with cystic hygroma in relation with nuchal translucency measurement <i>R. Kharrat (France)</i>	P10.21	PPT
Nomograms of the umbilical cord diameter of chromosomally normal fetuses at 11-14 weeks of gestation <i>R. Axt-Fliedner (Germany)</i>	P10.22	PPT
Hypoplastic rather than absent nasal bones: a novel phenotypic characteristic of trisomy 21. Description by 3D ultrasound (3DUS) and clinical significance <i>L.F. Gonçalves (USA)</i>	P10.23	PPT
3D ultrasound with maximal mode rendering: a novel technique to visualize bilateral or unilateral presence or absence of nasal bones (NB) in fetuses with Down syndrome (DS) <i>R. Chaoui (Germany)</i>	P10.24	PPT
Fetal nasal bone: normal values from 14+0 to 23+6 weeks of gestation in Caucasian fetuses <i>M. Krapp (Germany)</i>	P10.25	PPT
The distribution of fetal nasal bone length according to the biparietal diameter in the Korean population <i>J.H. Yang (South Korea)</i>	P10.26	PPT
Flat fetal profile: a synonyme for a hypoplastic fetal nasal bone? <i>M. Krapp (Germany)</i>	P10.27	PPT
Absence and presence of fetal right and left nasal bones (NB) assessed by prenatal three-dimensional (3D) ultrasound (US) and post-mortem computed tomography (CT) <i>A. Rake (Germany)</i>	P10.28	PPT
Aneuploidy rates in 2104 consecutive amniocentesis in a single referral unit. Reappraisal of amniocentesis indications <i>A. Athanasiadis (Greece)</i>	P10.29	PPT
Low risk of fetal loss and complications following genetic amniocentesis: experience on 942 cases <i>M. Angiolucci (Italy)</i>	P10.30	PPT
Nuchal translucency and ductus venosus assessment at 10-16 weeks of multiple pregnancies and chromosomal abnormalities <i>M. Torrents (Spain)</i>	P10.31	

## Fetal malformations I

Antenatal sonographic features of Aicardi-Goutieres syndrome - a case report <i>K.B.L. Tan (Singapore)</i>	P11.01	
Prenatal diagnosis of fetal arachnoid cyst with posterior ventriculomegaly <i>M. Rasidaki (Greece)</i>	P11.02	
Prenatal diagnosis of a de novo balanced translocation (4;6)(q21.3;q21) associated with the Dandy-Walker malformation in the fetus <i>S.P. Kim (South Korea)</i>	P11.03	
Prenatal diagnosis of a de novo balanced translocation (4;6)(q21.3;q21) associated with the Dandy-Walker malformation in the fetus <i>S.P. Kim (South Korea)</i>	P11.04	
Lissencephaly diagnosed by ultrasound and magnetic resonance imaging <i>J.C. Shin (Republic of Korea)</i>	P11.05	
Prenatal diagnosis of thrombosis of the dural sinuses <i>N. Clode (Portugal)</i>	P11.06	
Vein of Galen aneurysm - a case report <i>D. Pelinescu Onciul (Romania)</i>	P11.07	
Prenatal diagnosis of a vein of Galen aneurysmal malformation <i>M. Barreiro (Portugal)</i>	P11.08	
Antenatal diagnosis of limb-body wall complex with ultrasound and magnetic resonance imaging - case report <i>L. Lopes (Brazil)</i>	P11.09	
Use of 3D US scan and prenatal diagnosis of Weaver syndrome <i>A. Nazzaro (Italy)</i>	P11.10	
Unilateral congenital short femur: prenatal diagnosis <i>M. Barreiro (Portugal)</i>	P11.11	
Fetal Gollop-Wolfgang complex associated with de novo chromosomal rearrangements typical of split-hand/split-foot anomaly <i>F. Prefumo (Italy)</i>	P11.12	
Prenatal diagnosis of caudal regression syndrome <i>M.M. Mesquita (Portugal)</i>	P11.13	
Familial Silver-Russell syndrome <i>H.S. Ko (South Korea)</i>	P11.14	
Prenatal ultrasound findings in a fetus with paternal uniparental disomy 14: the "coat-hanger" sign as a diagnostic clue <i>E. Antonelli (Switzerland)</i>	P11.15	
Recurrence of Jeune syndrome: prenatal diagnosis and management <i>M. Rasidaki (Greece)</i>	P11.16	
Two cases of Pena-Shokier syndrome <i>S. Yagi (Japan)</i>	P11.17	
Prenatal sonographic diagnosis and course of the pregnancy with osteogenesis imperfecta type II A <i>J.M. Troyano (Spain)</i>	P11.18	

# Friday Poster Sessions

	Abstract No.
Prenatal diagnosis of osteogenesis imperfecta by mean of three-dimensional ultrasound <i>P.Y. Yang (Taiwan)</i>	P11.20
Cry no tears over a dacryocystocele <i>E.A.P. de Jong-Pley (Netherlands)</i>	P11.21
Congenital dacryocystocele: contribution of prenatal three-dimensional ultrasound <i>J. Gutierrez (Chile)</i>	P11.22
<b>Multiple pregnancy</b>	
First trimester growth discordancy in multiple pregnancies <i>A. Cromi (Italy)</i>	P12.01
Non-invasive diagnosis by Doppler ultrasonography of fetal anemia due to massive fetomaternal hemorrhage in a case of twin-to-twin transfusion syndrome treated with serial amnioreduction <i>E. Cosmi (Italy)</i>	P12.02
Accurate prediction of brain injury in the surviving fetus after demise of a monochorionic co-twin by antenatal neurosonography <i>T. Ghi (Italy)</i>	P12.03
Laser coagulation of placental anastomoses in severe mid-trimester twin-to-twin transfusion syndrome and anterior placenta with a 30° fetoscope <i>A. Huber (Germany)</i>	P12.04
The role of amniodrainage in the management of twin to twin trasfusion syndrome (TTTS) <i>M. Lanna (Italy)</i>	P12.05
Assessment of cervical length prior to laser treatment for twin to twin transfusion syndrome <i>R. Chmait (USA)</i>	P12.06
The non-scalloped placenta: an important sonographic marker in pre-operative planning of laser surgery for twin-twin transfusion syndrome <i>R. Chmait (USA)</i>	P12.07
Fundal height assessment in patients with twin-to-twin transfusion syndrome <i>R. Chmait (USA)</i>	P12.08
Histologic chorioamnionitis after multifetal pregnancy reduction: is it a risk factor for preterm delivery? <i>C.W. Park (Republic of Korea)</i>	P12.09
Incidence of sonographic lean and large umbilical cords in twin pregnancies <i>L. Raio (Switzerland)</i>	P12.10
Discordant sonographic umbilical cord coiling pattern in twins with twin-to-twin transfusion syndrome <i>L. Raio (Switzerland)</i>	P12.11
Relationship between single umbilical artery in twin pregnancies and pregnancy outcome <i>L. Raio (Switzerland)</i>	P12.12
Reproducibility and clinical relevance of antenatal detection of arterio-arterial anastomoses by Doppler placental assessment in monochorionic twin pregnancies <i>A. Fichera (Italy)</i>	P12.13
Prenatal vizualisation of vascular anastomoses <i>M. Ropacka (Poland)</i>	P12.14
Discordant pathological findings in multiple pregnancies from the genetic point of view <i>J. Santavy (Czech Republic)</i>	P12.15
Risk factors and outcome of multiple pregnancy <i>S. Khazardoost (Iran)</i>	P12.16
Monoamniotic twin pregnancy - case report and antenatal management <i>J. Müller (Germany)</i>	P12.17
Spontaneous septostomy in twin-to-twin transfusion syndrome. A case report <i>G. Nazzaro (Italy)</i>	P12.18
Growth discordance in twin pregnancies at birth: determining factors? <i>L. De Catte (Belgium)</i>	P12.19 PPT
Double survivors 7 days after laser surgery for twin-to-twin transfusion syndrome: What's next? <i>R. Robyr (France)</i>	P12.20 PPT
Permanent fetofetal transfusion from the recipient to the donor twin. A complication of laser surgery in twin-to-twin transfusion syndrome (TTTS) <i>R. Robyr (France)</i>	P12.21 PPT
Laser treatment in 8 cases with severe twin-to-twin transfusion syndrome <i>J.M. Martinez (Spain)</i>	P12.22 PPT
Outcome of 21 twin gestations after selective feticide of one malformed fetus in the second trimester of pregnancy <i>P. Calda (Czech Republic)</i>	P12.23 PPT
Intra-cordonal radiofrequency procedure to interrupt umbilical flows for selective termination: study based on the fetal sheep <i>O. Morel (France)</i>	P12.24 PPT
Color Doppler ultrasound in the diagnosis of twin reversed arterial perfusion sequence in the first trimester <i>M. Ropacka (Poland)</i>	P12.25 PPT

# Friday Poster Sessions

	Abstract No.	
Effect of intermittent uterine occlusion on hemodynamic changes in preterm and near term ovine twin fetuses <i>S. Gruessner (Germany)</i>	P12.26	PPT
Changes of blood flow during amnioreduction therapy <i>M. Ropacka (Poland)</i>	P12.27	PPT
Outcome of preterm premature rupture of membrane in twin pregnancies <i>M. Lau (Singapore)</i>	P12.28	PPT
Sonographic imaging of monochorionic monoamniotic twin pregnancy by the finding of a single yolk sac <i>C.M. Yan (Hong Kong SAR)</i>	P12.29	PPT
Fetal cardiac preload changes in twin-to-twin transfusion syndrome after fetoscopic laser coagulation of the placental anastomosis <i>B. Muñoz-Abellana (Spain)</i>	P12.30	
<b>Urogynecology</b>		
Introital ultrasound of urethra bladder in a patient with iatrogenic outlet obstruction following anti-incontinence procedures <i>L. Krofta (Czech Republic)</i>	P13.01	
Comparing the accuracy of conventional ultrasonography and doppler planimetry in postpartum bladder volume estimation <i>W.S.J. Lee (UK)</i>	P13.02	
<b>Ovarian pathology and gynecological cancer</b>		
Comparison of two risk of malignancy indexes as a rationale for operative treatment of ovarian cancer tumor <i>E. Ekholm (Finland)</i>	P13.03	
Is ultrasound as accurate as histology? <i>A. Abudher (Libya)</i>	P13.04	
Evaluation of angiogenesis and prognosis of ovarian tumors using power Doppler and 3D power Doppler <i>G. Daskalakis (Greece)</i>	P13.05	
Angio power three-dimensional quantitative analysis in pelvic solid tumors: a role in the diagnosis of malignancies <i>A.C. Testa (Italy)</i>	P13.06	
Sonographic evaluation of intratumor vascularity with standard and 3D color Doppler: clinical implications <i>M. Milam (USA)</i>	P13.07	
Single Doppler indices vs neural network model in differential diagnosis adnexal masses <i>T. Fuchs (Poland)</i>	P13.08	
Comparison of serum vascular endothelial growth factor values determination with power Doppler imaging in the diagnosis of ovarian cancer <i>S. Ajossa (Italy)</i>	P13.09	
The spectrum of transvaginal sonographic features of hemorrhagic ovarian cysts <i>S.H. Lee (South Korea)</i>	P13.10	
Transrectal ultrasound (TRUS) guided biopsy: for women as well as men? <i>A. Toi (Canada)</i>	P13.11	
Microbubble contrast-enhanced sonographic depiction of microvessel perfusion in an in vivo animal tumor model: implications for ovarian cancer <i>K.J. Niemann (USA)</i>	P13.12	
The contribution of 3D power Doppler in the diagnosis of endometrial pathology through uterine angiogenesis <i>G. Daskalakis (Greece)</i>	P13.13	
Usefulness of contrasted power Doppler ultrasonography in the diagnosis of ovarian endometrioma <i>Y. Naganuma (Japan)</i>	P13.15	PPT
Ultrasonography for differential diagnoses in pelvic inflammatory lesions and ovarian tumors <i>J.Y. Wang (Peoples Republic of China)</i>	P13.16	PPT
3D power-Doppler vascular biopsy as a second step in the correct diagnosis of suspicious ovarian masses by B mode ultrasonography <i>J.L. Alcázar (Spain)</i>	P13.18	PPT
Clinic value and safety of ultrasound guided mass biopsy in gynecoid pelvic cavity <i>J. Zhang (Peoples Republic of China)</i>	P13.19	PPT
Sonography compared with CD10 expressions in ovarian endometriotic cysts <i>J.Y. Wang (Peoples Republic of China)</i>	P13.21	PPT
Conservative sonographic-based management of bilateral asynchronous adnexal torsion with laparoscopic detorsion and sparing of twisted ischemic adnexa: a case report <i>F.P.G. Leone (Italy)</i>	P13.22	PPT
Peritoneal inclusion cysts - sonographic diagnosis and treatment modalities <i>O.R. Park (Republic of Korea)</i>	P13.23	PPT
Transvaginal sonographic diagnosis of a tumor fistula <i>O. Shen (Israel)</i>	P13.24	PPT
Impact of contrast enhanced MR (CE-MR) of the breast in the management of pregnancy associated breast cancer - Our experience <i>S. Kulkarni (Canada)</i>	P13.25	PPT



# 15th World Congress on Ultrasound in Obstetrics & Gynecology

25-29 September 2005  
Vancouver, Canada

## ISUOG 2005 – Welcome Message

We are pleased to invite you to the 15th World Congress on Ultrasound in Obstetrics and Gynecology to be held in Vancouver, Canada. Nestled between the Pacific Ocean and the Coastal Mountains, Vancouver offers breathtaking scenery, a multitude of outdoor activities and a huge array of shops and restaurants reflecting its international character. It is no wonder that Vancouver consistently ranks in the top three cities worldwide for quality of life. It is easily accessible with direct flights from Europe, the Far East and North America.

This Congress will follow its predecessors in presenting the latest advances in research, clinical applications and technical developments in the field of gynecological and obstetric ultrasound. Live scan sessions, post-graduate courses, cutting edge lectures, peer reviewed free communications and “meet the professor” video and poster discussions are just some of the scientific activities planned.

We look forward to seeing you in Vancouver! Please check our website for further information and updates.

*Alain Gagnon/Knox Ritchie*  
Congress Co-chairmen

*Larry Platt*  
ISUOG President

## Critical Dates

**January 2005** Call for papers

**25 April 2005** Abstract deadline

**25 April 2005** Abstract submission registration rate deadline

**June 2005** Confirmation of accepted/rejected abstracts

**25 July 2005** Early bird registration rate deadline

**25 Sept 2005** Congress opens



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# Saturday 4 September 2004

## 08:30-10:00 Parallel: Fetal neurosonology II \*\*Sponsored by Esaote Room: K1

	Chairs: G. Malinger (Israel); S. Gudmundsson (Sweden)	
08:30	Live demonstration <i>G. Pili (Italy)</i>	
08:55	Cerebral venous circulation - video demonstration <i>S. Gudmundsson<sup>1</sup>; R. Cheema<sup>1</sup>; M. Dubiel<sup>2</sup></i> <sup>1</sup> (Sweden); <sup>2</sup> (Poland)	OC162
09:05	Functional studies of fetal CNS <i>J.I.P. De Vries; A. Banga (Netherlands)</i>	OC163
09:20	Mild fetal lateral cerebral ventriculomegaly. Causes and perinatal outcome <i>N. Leticee; J.P. Bernard; M. Molho; Y. Ville (France)</i>	OC164
09:28	A comparison of ultrasound and magnetic resonance imaging in fetuses with complex anomalies <i>M. Segata; T. Ghi; G. Pili; A. Carletti; G. Tani; N. Rizzo (Italy)</i>	OC165
09:36	Imaging and histopathological features of fetal cortical malformations <i>G. Malinger; D. Kidron; D. Lev; T. Lerman-Sagie (Israel)</i>	OC166
09:44	V-Mode vs. B-Mode in the visualisation of cerebellar vermis primary and secondary fissures: a tool in the differential diagnosis of vermis anomalies <i>E. Varvarigos<sup>1</sup>; M. Iaccarino<sup>1</sup>; S. Iaccarino<sup>1</sup>; R. Russo<sup>1</sup>; R.N. Laurini<sup>2</sup></i> <sup>1</sup> (Italy); <sup>2</sup> (Sweden)	OC167
09:52	Discussion and round up comments <i>G. Pili (Italy)</i>	
	Related posters	P15.01-P15.13

## 08:30-10:00 Parallel: Ovarian pathology Room: K11

	Chairs: T. Bourne (UK); E. Andolf (Sweden)	
08:30	Overview <i>E. Andolf (Sweden)</i>	
08:40	Are some ovarian tumours more difficult to classify than others? <i>L. Valentin (Sweden)</i>	
08:55	Classifying ovarian masses and lessons from the IOTA trial <i>D. Timmerman<sup>1</sup>; L. Valentin<sup>2</sup>; A. Testa<sup>3</sup>; E. Ferrazzi<sup>3</sup>; L. Ameye<sup>1</sup>; D. Jurkovic<sup>4</sup>; U. Metzger<sup>5</sup>; F. Lécuru<sup>5</sup>; J.P. Bernard<sup>6</sup>; I. Vergote<sup>1</sup>; S. Van Huffel<sup>1</sup></i> <sup>1</sup> (Belgium); <sup>2</sup> (Sweden); <sup>3</sup> (Italy); <sup>4</sup> (UK); <sup>5</sup> (France)	OC169
09:10	Power Doppler-based triage for adnexal masses to provide the most appropriate surgical approach <i>S. Guerriero; S. Ajossa; N. Garau; S. Piras; A.M. Paoletti; M. Angiolucci; V. Mais; G.B. Melis (Italy)</i>	OC170
09:18	Ovarian endometrioma vascularization as assessed by transvaginal color Doppler and serum VEGF levels in patients with endometriosis and pelvic pain <i>J.L. Alcázar<sup>1</sup>; M. García-Manero<sup>1</sup>; S. Guerriero<sup>2</sup></i> <sup>1</sup> (Spain); <sup>2</sup> (Italy)	OC171
09:26	Ovarian tumor vascularity assessment with the use of 3D power Doppler sonography and vascular blood flow indices measurements <i>A. Czekiardowski; S. Augustyniak; A. Smolen; J. Kotarski (Poland)</i>	OC172
09:34	Ovine model to describe the cyclic changes of the ovarian microcirculation using contrast enhanced Doppler <i>H. Marret<sup>1</sup>; M. Brewer<sup>2</sup>; E. Tranquart<sup>1</sup>; S. Sauget<sup>1</sup>; W. Satterfield<sup>2</sup></i> <sup>1</sup> (France); <sup>2</sup> (USA)	OC173
09:42	Sonographic evaluation and follow up of endometriomas recurrence after laparoscopic removal <i>C. Exacoustos; E. Zupi; M.E. Romanini; A. Amadio; B. Szabolcs; C. Amoroso; D. Arduini (Italy)</i>	OC174
09:50	Discussion and round up comments <i>T. Bourne (UK)</i>	
	Related posters	P13.03-P13.25

## 10:00-10:30 Coffee break - exhibition area / sponsors live scanning - mezzanine

# Saturday 4 September 2004

## 10:30-12:00 Parallel: The 18-23 week scan \*\*Sponsored by GE Room: K1

	Chairs: B. Benacerraf (USA); D. Nyberg (USA)	
10:30	Overview <i>D. Nyberg (USA)</i>	
10:40	Can 3D enhance the routine anomaly scan? – Live demonstration <i>B. Benacerraf (USA); H.G. Blaas (Norway)</i>	
11:10	Three-dimensional echocardiographic cine loop evaluation of ventricular septal defects in the fetus <i>M. Meyer-Wittkopf; H. Abele; R. Kurek; D. Wallwiener (Germany)</i>	OC175
11:18	The aberrant right subclavian artery is a common aortic arch abnormality in fetuses with Down's syndrome <i>R. Chaoui; N. Sarioglu; M. Schwabe; K.S. Heling (Germany)</i>	OC176
11:26	Abnormal umbilical, portal and hepatic venous system – the importance of the presence of ductus venosus for fetal survival <i>C. Hofstaetter<sup>1</sup>; G. Blaas<sup>1</sup>; W.S.H. Eik-Nes<sup>1</sup>; M. Hansmann<sup>2</sup> (Norway); <sup>2</sup>(Germany)</i>	OC177
11:34	Possible ultrasound markers for fetal alcohol syndrome: assessment of the fetal face and brain <i>L. Matthews<sup>1</sup>; A.S. Marais<sup>1</sup>; H.H Kay<sup>2</sup>; D.L. Viljoen<sup>1</sup> (South Africa); <sup>2</sup>(USA)</i>	OC178
11:42	The naso-fronto-maxilla index: a potential new marker of trisomy 21 cases with present nasal bone in the second trimester <i>A. Bergann; C. Bamberg; R. Bollmann; K.D. Kalache (Germany)</i>	OC179
11:50	Pregnancy neonatal outcome of antenatally diagnosed cystic adenomatoid malformation of the lung <i>A. Ierullo; S. Hoodbhoy; A. Bhide; B. Thilaganathan (UK)</i>	OC180
11:58	Round up comments <i>B. Benacerraf (USA)</i>	
	Related posters	P11.01–P11.22

## 10:30-12:00 Parallel: Gynecological cancer Room: K11

	Chairs: D. Timmerman (Belgium); P. Jouppila (Finland)	
10:30	Overview <i>D. Timmerman (Belgium)</i>	
10:40	Characterising borderline tumours of the ovary <i>C. Exacoustos; M.E. Romanini; D. Rinaldo; C. Amoroso; B. Szabolcs; E. Zupi; D. Arduini (Italy)</i>	OC181
10:55	Ultrasound and tumour recurrence <i>A. Testa (Italy)</i>	
11:10	VOCAL imaging of the ovary and endometrium - potential applications for the diagnosis of gynecological malignancy <i>N.J. Raine-Fenning (UK)</i>	OC183
11:25	Effect of anti-angiogenesis drug therapy combined with ultrasound irradiation for uterine cancer evaluated with contrasted ultrasonography <i>M. Emoto; K. Tachibana; K. Kunitake; H. Iwasaki; T. Kawarabayashi (Japan)</i>	OC184
11:33	Ultrasound features of the different histopathological subtypes of borderline ovarian tumors <i>A.C. Testa; E. Fruscella; G. Ferrandina; M. Ludovisi; D. Basso; M. Malaggesi; G. Corrado; I. Paris; G. Scambia (Italy)</i>	OC185
11:41	Sonographic features of peritoneal carcinomatosis <i>L. Savelli<sup>1</sup>; P. De Iaco<sup>1</sup>; M. Ceccaroni<sup>1</sup>; T. Ghi<sup>1</sup>; F. Rosati<sup>1</sup>; B. Cacciatore<sup>2</sup> (Italy); <sup>2</sup>(Finland)</i>	OC186
11:57	Round up comments <i>D. Jouppila (Finland)</i>	
	Related posters	P13.03–P13.25

## 12:00-13:30 Lunch - exhibition area / sponsors live scanning - mezzanine

## 12:00-12:45 Chaired poster discussion groups Exhibition Hall

P14 – Fetal malformations / fetal biometry	Chairs: S. Eik-Nes (Norway); L. Mattsson (Sweden)
P15 – Fetal central nervous system	Chair: G. Pilu (Italy)



# Saturday 4 September 2004

## 13:30-15:00 Parallel: The routine antenatal scan I Room: K1

	Chairs: J. Hobbins (USA); B. Thilaganathan (UK)	
13:30	Overview <i>B. Thilaganathan (UK)</i>	
13:40	Results of the Swedish NUPP-study <i>L. Valentin; S. Saltvedt; C. Grunewald; H. Almström; M. Kublickas (Sweden)</i>	OC187
13:55	8 centre USA study on mid trimester genetic sonogram <i>R. Bahado Singh (USA)</i>	
14:10	How do the obstetricians perform/use routine antenatal ultrasound: results from 8 European countries <i>G.K. Lingman<sup>1</sup>; O.P. Bleker<sup>2</sup>; M. Da Frè<sup>3</sup>; H. Grandjean<sup>4</sup>; P. Gratia<sup>5</sup>; S. Guaschino<sup>3</sup>; M. Habiba<sup>6</sup>; W. Heyl<sup>7</sup>; M. Marin<sup>8</sup>; K. Marsal<sup>1</sup>; M. Cuttin<sup>8</sup></i> <sup>1</sup> (Sweden); <sup>2</sup> (Netherlands); <sup>3</sup> (Italy); <sup>4</sup> (France); <sup>5</sup> (Luxembourg); <sup>6</sup> (UK); <sup>7</sup> (Germany); <sup>8</sup> (Spain)	OC189
14:25	Prenatal detection of congenital heart defects in a non-selected population of 30139 fetuses <i>E. Tegnander; W. Williams; O.J. Johansen; H.G. Blaas; S.H. Eik-Nes (Norway)</i>	OC190
14:33	The accuracy of midtrimester ultrasound diagnosis of placenta praevia major in the prediction of placenta praevia at delivery <i>H.Y. Wee; K.H. Tan; G.S.H. Yeo (Singapore)</i>	OC191
14:41	The effect of maternal, paternal and fetal characteristics on the sonographic estimations of fetal weight <i>K.W.M. Bloemenkamp<sup>1</sup>; M. Piccoli<sup>2</sup>; E. Peregrine<sup>3</sup>; G. Maso<sup>2</sup>; L. Chitty<sup>3</sup></i> <sup>1</sup> (Netherlands); <sup>2</sup> (Italy); <sup>3</sup> (UK)	OC192
14:49	Quality control of fetal biometry: a statistical approach <i>L.J. Salomon; J.P. Bernard; C.J. Harris; M. Duyme; Y. Ville (France)</i>	OC193
14:57	Round up comments <i>J. Hobbins (USA)</i>	OC193

## 13:30-15:00 Parallel: Monochorionic twins - solved and unsolved issues Room: K11

	Organised and supported by the Eurofoetus group	
13:30	Epidemiology and causes of twinning <i>J.J.P. Vlietinck (Netherlands)</i>	
13:45	Chorionicity determination in the 1st trimester and its importance <i>Y. Ville (France)</i>	
13:55	The non-TTTS problematic monochorionic twin: fluid discordance <i>K. Hecher (Germany)</i>	
14:15	The non-TTTS problematic monochorionic twin: growth discordance <i>E. Gratacos (Spain)</i>	
14:35	EuroTwin2Twin study: to define the natural history of monochorionic twins <i>L. Lewi (Belgium)</i>	
14:50	Discussion <i>J. Deprest (Belgium)</i>	



## 15:00-15:30 Coffee break - exhibition area

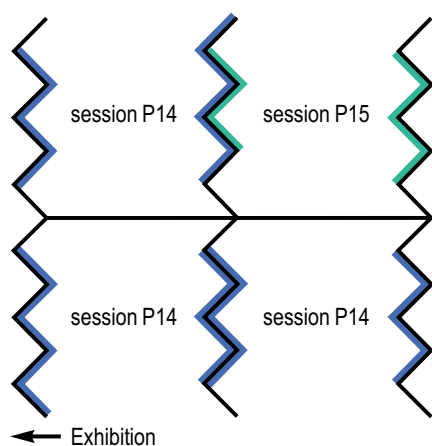
## 15:30-16:30 The optimal model for the routine antenatal scan - debate Room: K1

Chairs: J. Hobbins (USA); K. Nicolaides (UK)


Speakers and panel:  
R. Achiron (Israel); R. Bahado Singh (USA); B. Benacerraf (USA); S. Campbell (UK); E. Eik-Nes (Norway);  
M. Hansmann (Germany); G. Lingman (Sweden); G. Pilu (Italy); B. Thilaganathan (UK); I. Timor-Tritsch (USA);  
L. Valentin (Sweden)

## 16:30 Closing ceremony Room: K1

# Saturday Poster Sessions



## Poster Session

 Fetal malformations II / fetal biometry

 Fetal central nervous system

## Posters

P14.01– P14.39

P14.43 – P14.54

P14.82

P15.01 – P15.13

## PowerPoint Posters

P14.42

P14.55 – P14.81

P14.83 – P14.85

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## Saturday 4 September 2004

### Fetal malformations II / fetal biometry

	Abstract No.
Ultrasound evaluation of fetal gender during the first trimester <i>D. Cafici (Argentina)</i>	P14.01
First-trimester diagnosis of thrombocytopenia-absent radius (TAR) syndrome in a triplet pregnancy after assisted reproduction techniques <i>J. Bellver (Spain)</i>	P14.02
Cystic hygroma - case report <i>R. Macedo (Portugal)</i>	P14.03
Increased nuchal translucency and normal karyotype: prospective follow-up of 52 fetuses <i>A. Goncé (Spain)</i>	P14.04
Ultrasound detection of fetal anomalies in the first trimester in conjunction with nuchal translucency screening: a feasibility study <i>F. McAuliffe (Canada)</i>	P14.05
Outcome of measured nuchal translucency in early fetus <i>H. Lee (Republic of Korea)</i>	P14.06
Fetal akinesia deformation sequence associated with cystic hygroma colli in a fetus affected by Down's syndrome, at 11-14 weeks' gestation <i>A. Nazzaro (Italy)</i>	P14.07
First trimester prenatal diagnosis of congenital cystic adenomatoid malformation of the lung <i>N. Jastrow (Switzerland)</i>	P14.08
Early diagnosis of a twin-to-twin transfusion syndrome as a part of the first trimester screening - a case report <i>S. Kausch (Germany)</i>	P14.09
Training and post-graduation of specialists in obstetrical and gynecological ultrasound in Hungary <i>Z. Sipos (Hungary)</i>	P14.10
Patient factors affecting the quality of routine second trimester obstetrical ultrasound images <i>K.W. Fong (Canada)</i>	P14.11
Longitudinal reference charts for growth of the fetal head, abdomen and femur <i>S.L. Johnsen (Norway)</i>	P14.12
Normogram of the fetal gastric size development in normal pregnancy <i>K. Kepkep (Turkey)</i>	P14.13
The effects of transabdominal amnioinfusion to severe midtrimester oligohydramnios with intact membrane <i>S.J. Choi (Republic of Korea)</i>	P14.14
Comparison of LMP & ultrasonography for determination of gestational age <i>L. Eslamian (Iran)</i>	P14.15
Ultrasonographic prediction of birth weight in relation to different fetal weight: a comparison of eleven sonographic models <i>P. Rosati (Italy)</i>	P14.16
Evaluation of 27 equations for predicting fetal weight by ultrasound in different gestational periods <i>L. Guariglia (Italy)</i>	P14.17
Approach for estimating fetal body weight using two-dimensional ultrasound <i>T. Isobe (Japan)</i>	P14.18
Comparison of fetal weight prediction models by 2D and 3D ultrasonography <i>W. Lee (USA)</i>	P14.19
The incidence of spina bifida in (Sweden) 1973-2001: the effect of prenatal diagnosis <i>A. Nikkilä (Sweden)</i>	P14.20
Prenatal diagnosis of Noonan syndrome: a case report <i>M.M. Mesquita (Portugal)</i>	P14.21

# Saturday Poster Sessions

	Abstract No.	
Perinatal outcome in large fetal lymphangiomas diagnosed prenatally <i>E. Gomez (Chile)</i>	P14.22	
In utero 3D sonographic depiction of myxoma of fetal neck <i>Y. Wu (Taiwan)</i>	P14.23	
Prenatal diagnosis and management of fetal goiter associated with maternal Graves' disease <i>M. Okumura (Brazil)</i>	P14.24	
Perinatal outcome of prenatally diagnosed congenital cystic adenomatoid malformation <i>M. Bennasar (Spain)</i>	P14.25	
Prenatal diagnosis of bilateral diaphragmatic hernia by fetal sonography: a case report <i>D. Eroglu (Turkey)</i>	P14.26	
Lung-to-head ratio: inter-observer reproducibility in fetuses with congenital diaphragmatic hernia at different levels of severity <i>J. Delgado (Spain)</i>	P14.27	
Raised alpha-fetoprotein associated with renal and anterior abdominal wall defects <i>A.R. Lawin-O'Brien (UK)</i>	P14.28	
Magnetic resonance imaging of fetal gastroschisis <i>G.L. Fernandes (Brazil)</i>	P14.29	
The use of MRI in the evaluation of omphaloceles. Report of 9 cases <i>G.L. Fernandes (Brazil)</i>	P14.30	
Prenatal diagnosis of asplenia syndrome - a report of four cases <i>K.H. Fang (Taiwan)</i>	P14.31	
Fetal hepatic hemangioendotelioma: a case report <i>A. Ricciardulli (Italy)</i>	P14.32	
Cholangioma - prenatal diagnosis of huge hepatic tumour <i>R. Vlk (Czech Republic)</i>	P14.33	
A case of prenatally diagnosed fetal retroperitoneal cystic lymphangioma <i>J.C. Shin (South Korea)</i>	P14.34	
Difficulties in differential diagnosis of the cyst in the left upper abdomen of the fetus <i>A. Hamela-Olkowska (Poland)</i>	P14.35	
Can we predict neonatal outcome in fetal esophageal atresia? Case report <i>I. Kuèerová (Czech Republic)</i>	P14.36	
Anorectal obstructions: a rare prenatal but frequent postnatal diagnosis <i>A. Brantberg (Norway)</i>	P14.37	
Amniocentesis as a complementary tool in the diagnosis of bilateral renal agenesis on ultrasound and MRI A case report. <i>G.L. Fernandes (Brazil)</i>	P14.38	
Use of magnetic resonance imaging as an auxiliary method in the diagnosis of fetal renal agenesis <i>G.L. Fernandes (Brazil)</i>	P14.39	
Sonographic resolution of severe uretero-pelvic junction obstruction in utero associated with complete absence of neonatal kidney function <i>F. Prefumo (Italy)</i>	P14.42	PPT
Unpredicted spontaneous improvement of anhydramnios due to patent urachus in a case of prune-belly syndrome <i>M. Rasidaki (USA)</i>	P14.43	
Prenatal sonographic features of severe hypospadias <i>M. Okumura (Brazil)</i>	P14.44	
Changing ultrasonographic features of a twisted fetal ovarian cyst during pregnancy <i>S.J. Kim (South Korea)</i>	P14.45	
Prenatal diagnosis of absent ductus venosus <i>T.M. Warner (Australia)</i>	P14.46	
Agenesis of the ductus venosus with extrahepatic drainage of umbilical vein is associated with severe pulmonary hypertension of the newborn <i>G. Pili (Italy)</i>	P14.47	
Adverse outcome of isolated fetal intra-abdominal umbilical vein varix despite close monitoring <i>S. Yagel (Israel)</i>	P14.48	
Dilated fetal intra-abdominal umbilical vein: what is the significance? <i>T.Y. Fung (Hong Kong SAR)</i>	P14.49	
The vesicoallantoic cyst diagnosed by prenatal ultrasonography <i>J.H. Oh (South Korea)</i>	P14.50	
Case of exomphalos complicated with umbilical cord teratoma <i>T. Fekete (Hungary)</i>	P14.51	
Haemangioma of the umbilical cord diagnosed prenatally <i>M.M. Mesquita (Portugal)</i>	P14.52	
Characteristics of umbilical cord with single artery in healthy and malformed fetuses <i>L. Raio (Switzerland)</i>	P14.53	
The effect of amniotic sheet diagnosed by prenatal ultrasonogram on the pregnancy outcome <i>I. Kweon (Republic of Korea)</i>	P14.54	

# Saturday Poster Sessions

## Abstract No.

First- trimester determination of fetal gender by ultrasound <i>M. Podobnik (Croatia)</i>	P14.55	PPT
Nuchal translucency measurement as screening method for major congenital heart defects in low risk pregnancies <i>C.M. Bilardo (Netherlands)</i>	P14.56	PPT
Prenatal diagnosis of cleft lip by routine transvaginal sonography <i>L. Hernádi (Hungary)</i>	P14.57	PPT
Chorionic villus sampling for prenatal diagnosis in Zagreb: experience with 4000 cases <i>M. Podobnik (Croatia)</i>	P14.58	PPT
Sonological evaluation of fetal anomalies and fetal heart diseases <i>S.S. Kabra (India)</i>	P14.59	PPT
Assessment of fetal biometry is impaired by poor technical conditions <i>L.J. Salomon (France)</i>	P14.60	PPT
Feasibility and reproducibility of an images scoring method for quality control of fetal biometry in the second trimester <i>L.J. Salomon (France)</i>	P14.61	PPT
Impact of the choice of reference charts and equations on fetal biometry <i>L.J. Salomon (France)</i>	P14.62	PPT
Training model with didactic teaching program improves physicians' confidence in ability to perform amniocentesis <i>J. Baxter (USA)</i>	P14.63	PPT
Comparison between 20G and 22G needle for second trimester amniocentesis: a randomized controlled trial <i>A. Athanasiadis (Greece)</i>	P14.64	PPT
Feasibility, accuracy and safety of late chorionic villus sampling: a report 4600 cases <i>M. Podobnik (Croatia)</i>	P14.65	PPT
Can the sonographer predict the accuracy of sonographic estimation of birth weight? <i>O. Shen (Israel)</i>	P14.66	PPT
Ultrasound estimation of fetal weight in prolonged pregnancy <i>F. Sethna (UK)</i>	P14.67	PPT
Three consecutive pregnancies with Dekaban-Arima syndrome with variable expression <i>M. van der Laan (Netherlands)</i>	P14.68	PPT
Ultrafast magnetic resonance of the fetal spine- the importance of the extra-axial cerebrospinal fluid space <i>E. Whitby (UK)</i>	P14.69	PPT



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# Saturday Poster Sessions

	Abstract No.	
Routine assessment of amniotic fluid alpha-fetoprotein in second trimester genetic amniocentesis to detect fetal neural tube defects <i>K. Ferm (Sweden)</i>	P14.70	PPT
Prenatal diagnosis of diastematomyelia at 15 weeks by 3D ultrasound <i>J. Har-Toov (Israel)</i>	P14.71	PPT
Combined ultrasound and MRI diagnosis in a novel case of sirenomelia with associated upper limb abnormalities <i>H. Berger (Canada)</i>	P14.72	PPT
Abnormal external ear shape: a new clinical sign in idiopathic fetal growth restriction <i>G. Centini (Italy)</i>	P14.73	PPT
Achondroplasia: evaluation of the phenotypic expression by 3D ultrasound <i>L. De Catte (Belgium)</i>	P14.74	PPT
Cleft lip and palate: significant additional anatomical definition provided by 3D ultrasound in a retrospective study of 18 cases <i>T. Cos Sanchez (Belgium)</i>	P14.75	PPT
Management of giant cystic hygroma <i>N. Ginsberg (USA)</i>	P14.76	PPT
Prenatal diagnosis of Nonne-Milroy primary congenital lymphedema - a case report of 2 cases and review of the literature <i>M. Robertson (Australia)</i>	P14.77	PPT
Role of 3D ultrasound and fetal MRI in the antenatal follow-up of fetuses with cystic adenomatoid malformation of the lung (CCAM) <i>J. Jani (Belgium)</i>	P14.78	PPT
Rapid massive enlargement of the fetal abdomen: consider metastatic disease to the liver <i>R.R. Rabinowitz (Israel)</i>	P14.79	PPT
Prenatal ultrasound detection of pancreatic cyst at 30 weeks' gestation <i>S.J. Choi (Republic of Korea)</i>	P14.80	PPT
Correlation between ultrasound and anatomical findings in fetuses presenting with megacystis in the first half of pregnancy <i>R. Robyr (France)</i>	P14.81	PPT
Does the obstructive level make differences in their outcomes? A study for pregnancies with fetal GI tract obstruction <i>Y.K. Sohn (South Korea)</i>	P14.82	
Biochemical and Doppler parameters in evaluation of kidney function in fetuses with obstructive uropathy <i>D. Borowski (Poland)</i>	P14.83	PPT
Fetal pyelectasis and prediction of post-natal renal abnormalities <i>C. Kaihura (Italy)</i>	P14.84	PPT
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<b>Fetal central nervous system</b>		
Fetal dural sinus malformation mimicking an arachnoid cyst <i>A.R. Lawin-O'Brien (UK)</i>	P15.01	
Arachnoid cysts: prenatal diagnosis and management <i>I. Spalova (Czech Republic)</i>	P15.02	
Prenatal diagnosis and outcome of partial agenesis and hypoplasia of the corpus callosum <i>G. Pili (Italy)</i>	P15.03	
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In utero detection of dural sinus dysformation in 32-week embryo using color Doppler imaging following by automatic resolution 3 months after birth and before operation <i>A. Papadimitriou (Greece)</i>	P15.06	
Perinatal ultrasonography and MRI findings in antenatally diagnosed intracerebral hemorrhage and hydrocephalus <i>L. Raio (Switzerland)</i>	P15.07	
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An anatomic fetal brain structure and a normal variant mimicking anomalies on routine neurosonographic studies. Report of two cases <i>F.F. Correa (Spain)</i>	P15.10	
V-Mode vs. B-Mode in the differential diagnosis between cerebellar vermis rotation and Dandy Walker complex <i>E. Varvarigos (Italy)</i>	P15.11	
Early prenatal diagnosis of vein of Galen aneurysmal malformation <i>I. Martinez-Wallin (Spain)</i>	P15.12	
Mild fetal ventriculomegaly: prenatal diagnosis and outcome in 185 cases <i>L. Masini (Italy)</i>	P15.13	

# General Information

## Cash Machines

A cash machine is located in the main entrance hall.

## Catering

Coffee and light lunches will be served in the exhibition hall.

## Certificate of Attendance

Certificates of attendance may be collected from the registration desk from Friday, 3 September.

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A cloakroom service for clothing and reasonably sized items is available during the opening hours of the Congress. Items of value should not be left in the cloakroom. Please make sure you collect all your belongings at the end of each day. Forgotten and unclaimed items will be donated to local charities after 30 days.

The cloakroom is located in the main foyer and is open during the following times:

Tuesday, 31 August 2004	- 09.00 - 18.00
Wednesday, 1 September 2004	- 07.30 - 20.00
Thursday, 2 September 2004	- 08.00 - 17.30
Friday, 3 September 2004	- 08.00 - 17.30
Saturday, 4 September 2004	- 08.00 - 17.30

## Congress Secretariat

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## Currency Exchange

Banks are normally open between 09.30/10.00 and 15.00 on weekdays, although some banks in central Stockholm are open from 09.00-17.00.

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## Future Meetings

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

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Please wear your name badges at all times as an aid to identification. Name badge holders have been colour coded as follows...

Full delegates	Blue
Day delegates/pre congress courses	Clear
ISUOG Board/Invited Faculty	Blue with ribbon
Exhibitors	Yellow
Accompanying persons	Red

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The official language of the Congress is English. No simultaneous translation will be available.

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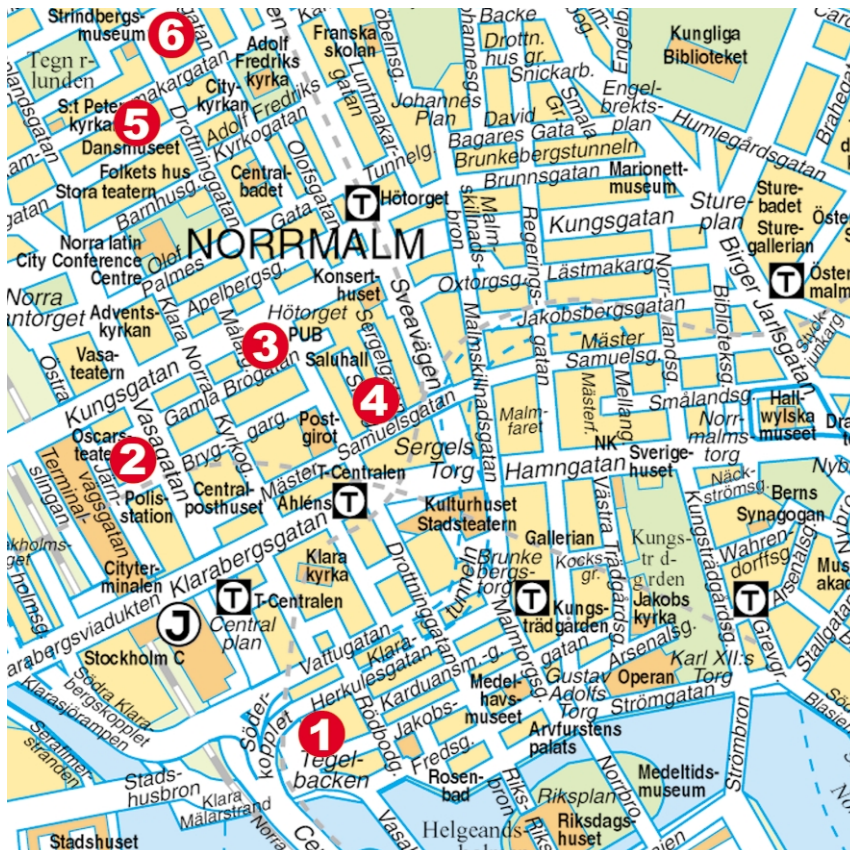
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- ⓐ Central train station - trains arrive/depart here for the airport and Stockholm International Fairs
- Ⓣ Metro station

# ISUOG Business Meetings

Date	Time	End time	Meeting	Room
Wednesday 1st September	12:00	14:00	Editorial Board	Room K24
Wednesday 1st September	15:00	17:00	ISUOG / EFSUMB standards committee	Room K12
Wednesday 1st September	15:00	16:30	ISUOG 3D focus group	Room K24
Thursday 2nd September	08:30	10:00	Meeting Planning Committee (MPC)	Room K12
Thursday 2nd September	10:00	12:00	Scientific Committee	Room K12
Thursday 2nd September	13:00	15:00	Education Committee	Room K12
Thursday 2nd September	15:30	17:00	ISUOG perinatal Doppler focus group	Room K12
Friday 3rd September	08.30	10.00	New media committee	Room K12
Friday 3rd September	10:15	11.45	ISUOG fetal echo group	Room K12
Friday 3rd September	12:00	13:00	Annual General Meeting	Room K24 (lunch to be provided)
Friday 3rd September	15:00	17:00	UOG Editors meeting	Room K12
Saturday 4th September	13:00	14:00	MPC: exhibitors closing meeting	Room K12

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