

# Ultrasound in reproductive medicine

ESHRE Campus symposium  
Maribor, Slovenia  
7-8 March 2013

*Organised by the ESHRE Special Interest Group Safety and Quality in ART and supported by the Slovenian Society for Reproductive Medicine and the University Medical Center Maribor*

## Venue

Congress Center Habakuk  
Hotel Habakuk  
Pohorska ulica 59  
2000 Maribor  
Slovenia

## Faculty

Nazar Amso (United Kingdom)  
Renato Bauman (Croatia)  
Arianna D'Angelo (United Kingdom)  
Petra De Sutter (Belgium)  
Romana Dmitrovic (Croatia)  
Niek Exalto (The Netherlands)  
Human Mousavi Fatemi (Belgium)  
Marco Gergolet (Italy)  
Jan Gerris (Belgium)  
Timur Gürkan (Turkey)  
Ilkka Jarvela (Finland)  
Davor Jurkovic (United Kingdom)  
Jure Knez (Slovenia)  
Vilma Kovac (Slovenia)  
Aleksandar Ljubic (Serbia)  
Antonis Makriganakakis (Greece)  
Tonko Mardesic (Czech Republic)  
Tatjana Motrenko Simic (Montenegro)  
Jose Manuel Puente Agueda (Spain)  
Nebojsa Radunovic (Serbia)  
Milan Reljic (Slovenia)  
Jolienke Schoonenberg-Pomper (The Netherlands)  
Françoise Shenfield (United Kingdom)  
Veljko Vlasisavljevic (Slovenia)  
Eda Vrtacnik-Bokal (Slovenia)

## Scientific secretariat

Prof. Dr. Petra De Sutter  
University Hospital Ghent  
Dept. Reproductive Medicine / Ob & Gyn.  
De Pintelaan 185  
9000 Ghent  
Belgium  
Tel +32 9 332 3750  
petra.desutter@ugent.be

## Teaching aims & course description

Utilization of most recent imaging techniques and the surgical management of structural problems related to fertility and developmental abnormalities of reproductive tract as well as contemporary techniques involved in assisted reproductive technology. Knowing how to use and adjust and being oriented with images produced by transabdominal and transvaginal US. Identifying and differentiating between normal and abnormal gynecological US examination. Identifying different pathology on pelvic US in RM. Knowing how and when to use color Doppler in Ob Gyn Ultrasound. Learn about follicle physiology and follicle development with US monitoring. Knowing how to use interventional US on RM.

## Course objectives

To gain the basic and advanced knowledge of ultrasound assessment in the field of Reproductive medicine (RM).

## Target audience

Medics: All medical professions working with IVF patients, from ART professionals to endocrinologists, epidemiologists, paediatricians, obstetricians, primary care providers and those in training  
Non-medics: Reproductive nurses and embryologists

## Organising secretariat

ESHRE Central Office  
Meerstraat 60  
1852 Grimbergen  
Belgium  
Tel: +32 (0)2 269 09 69  
Fax: +32 (0)2 269 56 00  
E-mail: [info@eshre.eu](mailto:info@eshre.eu)  
Website: [www.eshre.eu](http://www.eshre.eu)



### Language

The official language of the course is English.

### Registrations

Registrations are only possible online. Please visit our website [www.eshre.eu](http://www.eshre.eu), click 'Calendar' and then go to the pages of this course.

Registrations are limited to 220 participants. For availability of places, please check the ESHRE Calendar on our website.

The following fees apply:

**Early registration fees** (until 20 February 2013):

1. Members of ESHRE = 150 Euro
2. Non-members of ESHRE = 250 Euro
3. Student members of ESHRE = 100 Euro
4. Student non-members of ESHRE = 150 Euro

**Onsite registration fees** (from 20 February 2013 onwards):

1. Members of ESHRE = 200 Euro
2. Non-members of ESHRE = 350 Euro
3. Student members of ESHRE = 150 Euro
4. Student non-members of ESHRE = 250 Euro

Registration fees 1, 2, 3, and 4 include:

- Attendance to all sessions
- Symposium syllabus
- Lunch
- Coffee breaks
- Certificate of attendance

### Cancellation policy

All cancellations should be made in writing. An administrative fee of 25 Euro will be charged for all cancellations. Cancellations received after **7 February 2013** will not be refunded.

### Social event

On 7 March a social event will take place at the Martincek cottage on top of Pohorje hill.

The transport by cable cabin is organized at 7.30 pm. The meeting point is at the lower cabin station (100 m from Hotel Habakuk) at 7.15 pm. The return by cable cabin to the city is at 11.00 pm. Since the cottage is located on the ski slope winter shoes and winter clothes are recommended.

Participation is optional and tickets for the dinner will be 10 Euro per person. Participation is limited to 100 pax.

### Hotel accommodation

Rooms can be booked directly at the following hotels:

Hotel Habakuk \*\*\*\*\*

Hotel Arena \*\*\*

Hotel Meran \*\*\*

The Course will take place at Hotel Habakuk, which is a congress center, wellness and spa center on the foothills of Pohorje, a skiing resort close to the university city of Maribor. The hotel is situated close to ski-lifts, 6km from the old centre of the city. All suggested hotels are within walking distance from the Hotel Habakuk Congress Centre (50m - 200m).





### About Maribor and how to get there

There are frequent flights from many European cities to the two nearest airports: Ljubljana airport (Slovenia) at a distance of 140 km from Maribor and Graz airport (Austria) at 45 km by highway. You can reach Slovenia and Maribor via major highways from Austria, Hungary, Croatia and Italy.

For more information about Maribor see <http://maribor-pohorje.si/recommended.aspx>

### Scientific programme

#### 7 March 2013

- 08.30 – 09.00 Registration and welcome coffee  
09.00 – 09.10 Welcome note and introduction - Petra de Sutter (Belgium)

#### Session 1: Folliculogenesis

Chair: Petra de Sutter (Belgium) and Veljko Vlaisavljevic (Slovenia)

- 09.30 – 10.00 Antral follicle count and follicle development in natural cycle- echographic evidence – Jure Knez (Slovenia)  
10.00 – 10.30 Basic assessment of blood flow in uterus and ovaries . Clinical significance of perfollicular vascularization – Veljko Vlaisavljevic (Slovenia)  
10.30 – 11.00 Can there be a role for telemedicine in medically assisted procreation – Jan Gerris (Belgium)

- 11.00 – 11.30 Coffee break

#### Session 2: Controlled ovarian stimulation

Chair: Arianna D'Angelo (United Kingdom) and Milan Reljic (Slovenia)

- 11.30 – 12.00 Ultrasonographic aspects of PCO and PCOS – Tatjana Motrenko (Montenegro)  
12.00 – 12.30 Echographic monitoring of follicle growth in controlled ovarian hyperstimulation – Arianna D'Angelo (United Kingdom)  
12.30 – 13.00 Itrasound only protocols or estradiol in management of ovarian stimulation in IVF patients? – Human Fatemi (Belgium)  
13.00 – 13.30 Ultrasonographic assessment of ovarian hyperstimulation syndrome – Timur Gurgan (Turkey)

- 14.00 – 15.00 Lunch

#### Session 3: Management of infertile patients (1)

Chair: Marco Gergolet (Italy) and Eda Bokal Vrtacnik (Slovenia)

- 15.00 – 15.20 Pivotal first visit ultrasound scan in assessment of infertile patients – Petra De Sutter (Belgium)  
15.20 – 15.40 Ultrasound diagnosis of adenomyosis – Davor Jurkovic (United Kingdom)  
15.40 – 16.00 Clinical significance of functional cysts and endometriotic cysts in ART patients – Nebojsa Radunovic (Serbia)  
16.00 – 16.20 Congenital and acquired anomalies of uterus – Eda Bokal Vrtacnik (Slovenia)

#### Session 4: Management of infertile patients (2)

Chair: Davor Jurkovic (United Kingdom) and Milan Reljic (Slovenia)

- 16.20 – 16.40 Ultrasound in natural IVF cycle: is it good enough? – Renato Bauman (Croatia)  
16.40 – 17.00 3D Ultrasound in detection of congenital uterine anomalies: should it be a gold standard? – Milan Reljic (Slovenia)  
17.00 – 17.20 Clinical impact of 3D scanning pre- and after the operative treatment of septated uterus – Marco Gergolet (Italy)

The scientific programme may be subject to change.  
For updated information, please consult the ESHRE website  
[www.eshre.eu](http://www.eshre.eu) see "Calendar"



### 8 March 2013

Session 5: Interventional ultrasound

Chair: Tonko Mardesic (Czech Republik) and Vida Gavric (Slovenia)

- |               |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| 09.00 – 09.30 | Interventional ultrasound in IVF and IVM cycles – Vilma Kovac (Slovenia)                   |
| 09.30 – 10.00 | Echographic guided embryo transfer – Tonko Mardesic (Czech Republik)                       |
| 10.00 – 10.30 | Early embryo reduction of multiple pregnancies after ART – Aleksandar Ljubic (Serbia)      |
| 10.30 – 11.00 | Contrast salpingosonography in evaluation of tubal patency – Niek Exalto (The Netherlands) |
| 11.00 – 11.30 | Coffee break                                                                               |

### Session 6: Endometrium and implantation

Chair: Françoise Shenfield (United Kingdom) and Romana Dmitrovic (Croatia)

- |               |                                                                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.30 – 11.50 | Early pregnancy after controlled ovarian hyperstimulation - Ilkka Järvelä (Finland)                                                                          |
| 11.50 – 12.10 | Early changes of endometrium after implantation - Romana Dmitrovic (Croatia)                                                                                 |
| 12.10 – 12.30 | Endometrial changes in endometriosis: do they affect implantation? – Antonis Makrigiannakis (Greece)                                                         |
| 12.30 – 12.50 | Ultrasonography of endometrium during natural and stimulated cycle. Echographic assessment of subendometrial contraction – Jose Manuel Puente Agueda (Spain) |
| 13.00 – 14.30 | Lunch                                                                                                                                                        |

### Session 7: Quality and safety

Chair: N. Amso (United Kingdom) and Arianna D'Angelo (United Kingdom)

- |               |                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 14.30 – 15.00 | Ethical issues resulting from ultrasound screening in infertile patient before MAR treatment – Françoise Shenfield (United Kingdom) |
| 15.00 – 15.30 | Qualification for sonographers in reproductive medicine – Jolienke Schoonenberg-Pomper (The Netherlands)                            |
| 15.30 – 16.00 | Training and quality assurance of ultrasound in reproductive medicine: the role of simulation – N. Amso (United Kingdom)            |
| 16.00 – 17.00 | Conclusion                                                                                                                          |

