

Slovene Society for Reproductive Medicine

University Clinical Centre Maribor
Clinic for Gynecology and Perinatology
Department of Reproductive Medicine and Gynaecologic Endocrinology

Basic Course

ASSISTED HUMAN REPRODUCTION

Clinical and laboratory aspects



avtor fotografije: Dejan Sarman

University Clinical Centre
MARIBOR
25. - 29. November, 2008

PROGRAMME

The programme of this postgraduate training course has been designed for all gynaecologists who want to know what is happening in the laboratories of reproductive biology and who want to become real partners of staff in the laboratory. It has also been dedicated to embryologists wishing to broaden their knowledge on clinical methods of assisted human reproduction.

The programme has been sent to EC for evaluation and the scientific support of ESHRE. Three lecturers in embryology at our course are certified by ESHRE.

The course will be held for a group of 25 candidates in total. It comprises the series of lectures during 4 days period and will take place at the Department of Human Reproduction and Gynaecologic Endocrinology, University Clinical Centre Maribor.

Basic course is organized as the series of lectures and trainings at morning and afternoon hours during 4 consecutive days. Additional day dedicated for scientific meeting has also been planned.

At our Clinics, gynecologists will have the opportunity to observe work with the patients. All important clinical topics will be covered by the programme:

- planning of the stimulation protocol
- handling of low responders in clinical practice
- dealing with PCOS patients
- clinically important aspects of IVF
- cancer and fertility
- treatment of couples with severe male factor subfertility.

Handling of patients in infertility center, basic logistic, assessing of chances for pregnancy, tailoring of ovarian stimulation protocols in individual cases and counselling will be presented to the participant.

All participants will be allowed to follow work in our Human Reproduction Laboratory and the Laboratory of Andrology after afternoon lectures.

Video systems positioned on microscopes will facilitate the teaching process and enable all course participants to observe the real-time handling of gametes and embryos. Embryologists in our laboratories will provide support and relevant advices on laboratory work with the focus on management of quality of work in the lab, new methods of culturing in IVF/ICSI and IVM, cultivation of embryos in conditions with reduced oxygen concentration, assisted hatching, slow freezing and vitrification.

All lectures will be provided in one of the South Slavic languages (Croatian, Serbian or Slovene).

The additional specialized courses will be held during 2009 and only participants of our basic course will be eligible candidates for attendance at these trainings.

Prof. Veljko Vlaisavljević, M.D., Ph.D. - Maribor
Head of Postgraduate Training Course

Faculty:

- Prof. Elko Borko, M.D., Ph.D. - Maribor
- Prof. Helena Meden Vrtovec, M.D., Ph.D - Ljubljana
- Prof. Eda Bokal, M.D., Ph.D., - Ljubljana
- Prof. Tomaž Tomažević, M.D., Ph.D - Ljubljana
- Prof. Ksenija Geršak, M.D., Ph.D- Ljubljana
- Assist. Prof. Borut Kovačič, Ph.D. - Maribor
- Assist. Prof. Milan Reljič, M.D., Ph.D.- Maribor
- Assist. Prof. Irma Virant Klun, Ph.D.- Ljubljana

REGISTRATION

Registration is obligatory. registration forms may be sent in the form of ordinary mail, by fax or e-mail.

Registration fee and payment:

The registration fee for attending the Postgraduate Training Course "Methods of Assisted Human Reproduction" is 200 EUR (20% tax included). This includes full attendance at the course, refreshments and 4 lunches.

Details on the registration are available on the request by our secretary Mrs. Suzana Knuplež (suzana.knuplez@ukc-mb.si)

For further information about the course please contact the organizer.
Please remember to bring the fee-payment voucher with you.

Mailing address for registration:

UNIVERSITY CLINICAL CENTER MARIBOR

Clinics of Gynaecology and Perinatology
Department of Human Reproduction and Gynaecologic Endocrinology
Mrs. Suzana Knuplež
Ljubljanska 5
2000 Maribor

Tel: 00386 2 321 24 60
Fax: 00386 2 331 23 93
E-mail : ivf.mb@ukc-mb.si
www.ivf-mb.net

Local travel agency :

VENETUS TRAVEL AGENCY
Tyrševa 2
SI- 2000 Maribor, Slovenia
Phone: ++386 2 235 26 23
Fax: ++386 2 235 26 22
E-mail: jana.hrescak@venetus.si

Suggesting Hotels:

Pohorje resort (6 km from hospital): Habakuk *****, Arena ***, Meranovo ***

City centre: Orel ***, Tabor **, Piramida ****

More information: matic@maribor.si
www.maribor-tourism.si

TUESDAY, 25. November 2008

Moderators: V. Vlasisavljević and M. Reljič

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|---------------|--|---|
| 09.00 - 09.15 | Introduction and welcome | (V. Vlasisavljević) |
| 09.15 - 09.30 | Good clinical practice in assisted reproduction - ESHRE position paper | (E. Borko) |
| 09.30 - 10.00 | ESHRE - reasons to be an active member: European certification of embryologists, European accreditation of departments for reproductive medicine, ESHRE journals – science and continuing education , ESHRE guidelines | (V. Vlasisavljević) |
| 10.00 - 10.30 | Clinical procedures in infertility diagnostics before ART is indicated | (M. Reljič) |
| 10.30 - 11.00 | Patient selection and preparation for ART | (V. Gavrić Lovrec) |
| 11.00 - 11.30 | Break | |
| 11.30 - 12.00 | Lessons from ultrasound for ART cycles monitoring | (V. Vlasisavljević) |
| 12.00 - 12.30 | PCO and PCOS: endocrinologic or echographic diagnosis? | (V. Kovač) |
| 12.30 - 13.00 | Endoscopic diagnostic and ART | (M. Reljič) |
| 13.00 - 14.30 | Lunch | |
| 14.30 - 15.00 | Serologic and bacteriologic analysis in ART patients | (E. Bokal Vrtačnik) |
| 15.00 - 15.30 | Standardized computerized data collection and quality control of ART cycles in Maribor - 15 years of experience | (B. Kovačič) |
| 15.30 - 16.00 | Law regulations in ART– Slovene experience, European ART registry | (T. Tomažević) |
| 16.00 - 16.30 | Evaluation of male patient before ART- what are minimal requirements? | (V. Vlasisavljević) |
| 16.30 | Break | |
| 17.00 - 18.00 | Video session, transmission from IVF laboratory GROUP A: Folliculometry and follicle aspiration GROUP B: Embryotransfer | (organizer: V. Gavrić Lovrec) (organizer: M. Reljič) |

WEDNESDAY, 26. November 2008

Moderators : *B. Kovačič* and *V. Gavrič Lovrec*

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|---------------|---|--|
| 09.00 - 09.30 | Methods of ART for patients in the late reproductive age When is time to stop the treatment? | <i>(V. Vlaisavljević)</i> |
| 09.30 - 10.00 | Ultrasonographic monitoring of endometrium | <i>(R. Dmitrović)</i> |
| 10.00 - 10.30 | Ultrasonographic monitoring of follicle growth Doppler in reproductive medicine. | <i>(V. Gavrič Lovrec)</i> |
| 10.30 - 10.45 | Break | |
| 10.45 - 11.00 | Minimum laboratory standards for ART | <i>(B. Kovačič)</i> |
| 11.00 - 11.30 | Physiology and anomalies of fertilization | <i>(B. Kovačič)</i> |
| 11.30 - 12.00 | Intracytoplasmic sperm injection (ICSI)-clinical aspect from andrologist point of view | <i>(V. Vlaisavljević)</i> |
| 12.00 - 12.30 | Identification and evaluation of oocyte and embryo quality | <i>(M. Čížek Sajko)</i> |
| 12.30 - 13.00 | In vitro fertilization: IVF/ICSI - laboratory aspect | <i>(B. Kovačič)</i> |
| 13.00 - 14.30 | Lunch | |
| 14.30 - 15.00 | Embryotransfer techniques and luteal supplementation in fresh and frozen cycles | <i>(V. Gavrič Lovrec)</i> |
| 15.00 - 15.30 | Techniques of semen preparation for intrauterine insemination (IUI) | <i>(N. Hojnik)</i> |
| 15.30 - 16.00 | Intrauterine insemination (IUI): when to chose natural cycle, clomide or gonadotrophins? | <i>(V. Kovač)</i> |
| 16.00 - 16.30 | Break | |
| 16.30 - 17.30 | Video session, transmission from IVF laboratory GROUP A: Embryotransfer GROUP B: Folliculometry and follicle aspiration | <i>(organizer: V. Vlaisavljević)</i> <i>(organizer: V. Kovač)</i> |

THURSDAY, 27.November 2008

Moderators : V. Kovač in M. Čížek Sajko

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|---------------|--|--------------------|
| 09.00 - 09.15 | Oocyte in vitro maturation (IVM): laboratory aspect | (M. Čížek Sajko) |
| 09.15 - 09.30 | Oocyte in vitro maturation (IVM): clinical aspect | (V. Kovač) |
| 09.30 - 10.00 | Ovulation induction protocols | (H. Meden Vrtovec) |
| 10.00 - 10.30 | New medication - new protocols: mild stimulation or "big bang"? | (V. Vlaisavljević) |
| 10.30 - 11.00 | Break | |
| 11.00 - 11.30 | ART and cancer patients | (V. Gavrić Lovrec) |
| 11.30 - 12.00 | Ovarian hyperstimulation: outpatient and hospital treatment | (M. Reljić) |
| 12.30 - 13.00 | Vascular complications after ART | (R. Dmitrović) |
| 13.00 - 14.30 | Lunch | |
| 14.30 -15.00 | Freezing of human embryos | (B. Kovačić) |
| 15.00 -15.30 | Freezing of semen and testicular tissue | (M. Čížek Sajko) |
| 15.30 -16.00 | Freezing of oocytes and ovarian tissue | (I. Virant Klun) |
| 16.00 - 16.30 | Deliveries after ART (Results of Maribor IVF Centre) | (L. Mlakar) |
| 16.30 - 17.00 | Break | |
| 17.00 - 17.30 | Spontaneous abortion and implanted embryo reduction after ART | (M. Došen) |
| 17.30 - 18.00 | Genetic counselling and PGD in ART patients | (K. Geršak) |
| 18.00 - 18.30 | Importance of appropriate registration and quality control in IVF Centre | (B. Kovačić) |
| 18.30 - 19.30 | Discussion | |

FRIDAY, 28. November 2008

Scientific meeting: **25 Years of IVF in Maribor**
Attendance included.

SATURDAY, 29. November 2008

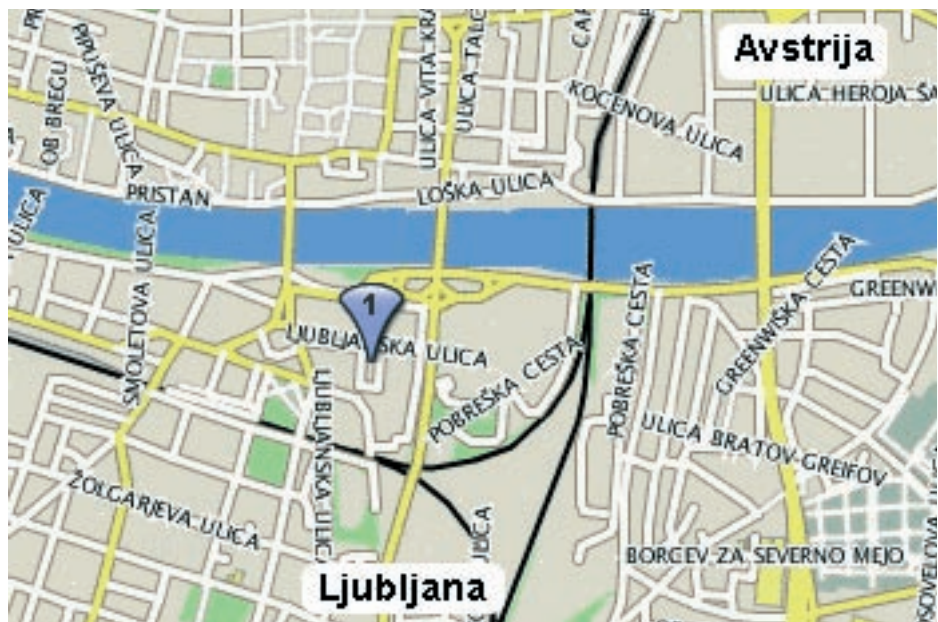
08.00 – 12.00 How to do IVF/ICSI ?

- Laboratory for Reproductive biology
- Laboratory for Andrology
- Laboratory for Cryobiology
- Outpatient station for ART

The video systems positioned on microscopes in our laboratories will enable all course participants to observe the handling of gametes and embryos in vitro.

LOCATION

University Clinical Centre, Ljubljanska 5, MARIBOR



Find out more about us at
www.ivf-mb.net