GENERAL INFORMATION

The course is divided into two parts:

FIRST PART:
Friday, September 11 – Saturday, September 12, 2020.
The course will be held both as a Webinar and as onsite event.

Webinar platform address will be shared a few days before the event.

Venue: Humanitas Research Hospital – Congress Center
Via Manzoni 113, 20089 Rozzano (MI)

SECOND PART:
One week of attendance at the Fertility Center of Humanitas Research Hospital. The weeks (assigned by the director) allow the participation of two people, under the guidance of a tutor, to the practical application of all medical-biological techniques related to Medically-Assisted Procreation as well as structured access to the Humanitas Training Center.

REGISTRATION:
Participation of the 2-days including topics and debates is free of charge.

Pre-registrations are opened online at www.humanitasedu.it

You will be asked to select whether you will prefer to attend online or in person (due to Coronavirus measures only 60 places will be available onsite).

The participation fee for the week attendance (five working days at Fertility Center) is also free of charge.
Students, Ob-Gyn residents and RM fellows of the Humanitas University and University of Milan, School of Medicine (theoretical part) are all formally invited to participate.
People attending the course will be able to participate in the theory only or both the theory and practice. Registrations to theory + practice are limited to 20 participants. If registrations exceed 20, participants will be selected based on request date and curriculum.

CME:
The course is part of the legislation that regulates the CME. This year event is accredited as a theoretical course.

- Accredited professional categories:
• Surgeon within the disciplines of obstetrics and gynecology or urology
• Biologist, biotechnologists, midwifes, nurses

The CME credits will be awarded to all those that:
• Belong to the listed professions
• Attend at least the 90% of the selected event duration
• Pass the assessment test (participants will have 3 days and up to 5 attempts to perform the test. Test and evaluation survey will be both need to be filled in online on the LMS platform).

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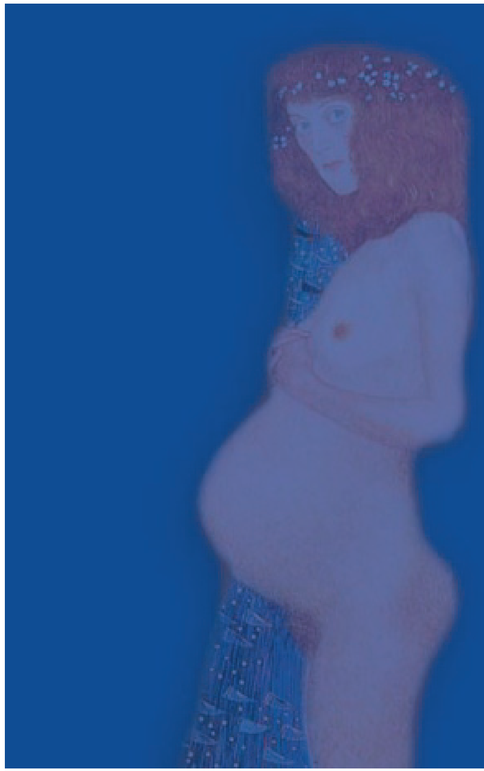


Re-Born in ICE

2010-2020

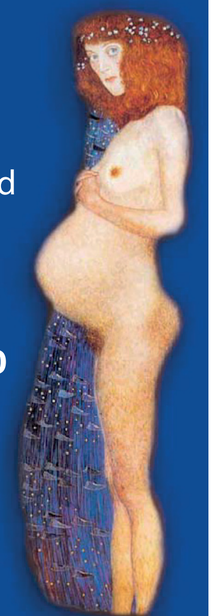
an evolution of parenthood

The Humanitas Fertility Center, continuing a historical scientific and educational tradition, is offering two-day gathering September 11-12, 2020 to provide clinical and research updates in reproduction as well as the opportunity to access the Fertility Center facilities for a training course.

Online webinar event and onsite event at HUMANITAS CONFERENCE CENTER

11-12 September 2020

The 10th Humanitas Course in Reproductive Medicine



Under the auspice of:
Società Italiana di Ostetricia e Ginecologia (SIGO)
EBCOG/ESHRE Subspecialty in Reproductive Medicine
The Yale Fertility Center
Società Italiana di Fertilità e Sterilità e Medicina della Riproduzione (Sifes e MR)

Scientific Organizers:
Paolo Emanuele Levi-Setti
Pasquale Patrizio (USA)

Local Committee:
Elena Albani, Annamaria Baggiani, Luciano Negri
Elena Zannoni

Objective

The subspecialty of Reproductive Endocrinology and Infertility (REI) - Reproductive Medicine (RM) was formed within obstetrics and gynecology, to address the breadth and depth of gynecologic and reproductive issues ranging from puberty through menopause, keeping in mind however safety and efficacy as they are critically important for successful clinical care. To this end, professional (clinical) training and academic education, gained through medical specialty and subspecialty training, must be constantly updated to optimize patient outcomes.

REI specialists are consultants for complex gynecologic conditions such as the management of hormonal dysfunction e.g. hypo/hyperthyroidism, hyperprolactinemia; chronic anovulation and metabolic syndromes such as polycystic ovarian disease, menopausal hormonal replacement therapy, as well as fibroids, endometriosis, and abnormal bleeding. In addition to endocrinology and organic disease, REI training covers the complexity of human reproduction, including the various forms of assisted reproductive technologies (ARTs), fertility preservation, embryology, genetics, andrology, gamete micromanipulation and microsurgical techniques as well as noninvasive, minimal surgeries.

The present course is an essential continuum of our educational mission aiming to further knowledge through lectures and debates by and among board-certified specialists in Obstetrics and Gynecology devoted to Reproductive Medicine. ART specialists (embryologists, technicians and nurses) and experts at large tertiary-care centers supported by several European and American colleagues.

The 2020 topic is a second edition of 2010 '***BORN in ICE*** *an evolution of parenthood*', a very successful meeting our Institute organized, focused on cryopreservation. Aim of the conference will be the advances and new goals obtained after 10 years of the science of cryopreservation.

Background Information

The process of international standardization of training requirements needs to be fulfilled to set minimal universal criteria to satisfy the breadth of knowledge, clinical training and certification processes required to effectively practice within the discipline. Improvement in the learning process through simulation in all the diverse clinical and biologic aspects of RM is one of our future goals along with furthering novel scientific innovations and new technologies that advance global reproductive health for all women.

With these objectives in mind, we developed an annual two-day course structured with lectures and debates on a variety of topics along with seven days of practical and simulation training. These educational efforts are supported by the Humanitas Fertility Center facilities. This year's conference will include 6 sessions with 18 presentations (15 minutes each) and, as in the previous years, session chairs and discussants will support interactive debates. 4 Invited lectures by national and international experts will be also presented.

Due to the possible limitations due to the Covid 19 pandemic, ***only a limited number of participants*** will be allowed to be physically present. All the other both speakers and participants will be connected by ***a special interactive platform***, implemented by our Institute.

Main topics

Ovarian and testicular tissue cryopreservation. Embryo Cryopreservation. Oocyte Cryopreservation. Induction protocols for oocyte and embryo cryopreservation. Ethics and cost analysis of gametes, embryo and tissue cryopreservation. Pregnancy, delivery and child health.

Learning Program

By attending the course, the participants will acquire:

- Updates in innovative medical and surgical procedures applied to reproductive health
- Overviews of key factors of embryo development
- Criteria to optimize ART outcomes, consistent with their program's operational reality
- Pregnancy complications and child health.

Audience

Physicians and other health care professionals working in reproductive and women health centers

FINAL PROGRAM

Friday SEPTEMBER 11th, 2020

08:30 Opening remarks and description of the conference
Paolo Emanuele Levi-Setti

08:45 Opening Lecture: History of vitrification and actual developing tools
Amir Arav

1° session – Ovarian and Testicular tissue cryopreservation
Chairs: *Nicola Colacurci, Francesco Fusi*

09:15 Ovarian tissue cryopreservation: an update
Dror Meirow

09:30 Testicular sperm in oncological patients
Jorge Hallak

09:45 Sperm, Testis and Ovarian tissue: new technologies
Sergio Ledda

10:00 Discussion
Discussants: *Amir Arav, Annalisa Navarra, Luciano Negri*

10:30 Coffee Break

11:00 1st invited lecture: Automatic vitrification and New Biobanking technologies
Pasquale Patrizio

2° session – Embryo Cryopreservation
Chairs: *Elena Zannoni, Noemi Di Segni*

11:30 At what stage should an embryo be cryopreserved?
Nicole Noyes

11:45 To shrink or not to shrink before vitrification
Ozgur Bulbul

12:00 Protocols for FET: and the winner is?
Federico Cirillo

12:15 Discussion
Discussants: *Silvia Ajossa, Annamaria Baggiani, Andrea Busnelli*

12:30 2nd invited lecture: Cell and chromosome Lyophilization
Lino Loi

13:00 Lunch Break

3° session – Oocyte Cryopreservation
Chairs: *Mario Minzini-Renzini, Luciana De Lauretis*

14:00 Fresh vs Vitrified oocytes in donation cycles.
Laura Rienzi

14:15 Human oocyte cryobiology then and now: The cytoskeletal perspective
David Albertini

14:30 Evolution of oocyte vitrification in fertility preservation.
Ana Cobo

14:45 Discussion
Discussants: *Nicole Noyes, Valentina Parini, Noemi Di Segni*

15:30 3rd invited Lecture:
Maximizing ovarian tissue freezing: to postpone menopause and oocyte in vitro maturation
Claus Andersen

16:00 Coffee Break

4° session – Induction protocols for oocyte and embryo cryopreservation
Chairs: *Pasquale Patrizio, David Albertini*

16:30 Agonist trigger is always the best option?
Glenn Schattman

16:45 Luteal phase support in frozen embryo transfer
Alberto Vaiarelli

17:00 Rescue protocols: old and new prospective
Paolo Emanuele Levi Setti

17:15 Progesterone in LH surge suppression
Antonio La Marca

17:30 Discussion
Discussants: *Edgardo Somigliana, Roberto Palermo, Valeria Scolaro*

Saturday SEPTEMBER 12th, 2020

5° session – Ethics and cost analysis of gametes, embryo and tissue cryopreservation
Chairs: *Carlo Alviggi, Paolo Emanuele Levi Setti*

09:00 The freeze all debate
Nicole Noyes

09:15 How many embryos remain banked and donation options
Maria José De Los Santos

09:30 Ethics and costs of gametes, tissue and embryo banking
Eleonora Porcu

09:45 Discussion
Discussant: *Andrea Borini, Clara Gargasole, Valentina Immediata*

10:15 Coffee Break

6° session – Pregnancy, delivery and child health.
Chairs: *Valeria Savasi, Alessandro Bulfoni*

10:45 Spontaneous cycle and pregnancy outcome.
Annamaria Marconi

11:00 Corpus Luteum and pregnancy complications.
Andrea Borini

11:15 Endometrial Thickness, implantation and pregnancy outcome.
Filippo Ubaldi

11:30 Discussion
Discussants: *Paola Anserini, Andrea Busnelli, Gianluca Gennarelli*

12:00 4th invited lecture: Managing ovarian tissue cryopreservation: physiological insights into the oocyte-granulosa dialogue
David Albertini

12:30 Conclusions and ECM formats compilation