

Objective:

In February 2006 we organized a conference intitled 'Born in IVF, a revolution of parenthood' focusing on the enormous role of assisted reproduction since the 1978 beginning of in vitro fertilization procedures in the treatment of infertility.

Many years after this pioneer meeting many things changed opening an era in which ART from an infertility therapy became a new reproductive approach.

Reproductive Medicine (RM) in Europe as well as Reproductive Endocrinology and Infertility (REI) in the USA are subspecialties 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) and academic education, gained through medical specialty and subspecialty training, have been constantly updated to optimize patient needs.

RM specialists are consultants for complex gynecologic conditions such as the management of hormonal dysfunctions 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 uterine bleeding. In addition to endocrinology and organic disease, RM 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 a 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.

Background Information:

The aging process, the deferring motherhood options, the demographic crisis as well as the long survival after cancer, endometriosis, adenomyosis, pelvic surgery, pelvic inflammatory disease, the environmental role are evolving conditions impacting not only fertility but changing the role of reproductive rights.

With these objectives in mind, we developed the 16th annual two-day course meeting, structured with lectures and debates about these 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 19 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 possible limitations due to the post Covid 19 pandemic war scenarios, **only a limited number of participants** will be allowed to be physically present. All the others, both speakers and participants, will be connected by a **special interactive platform**, implemented by our Institute, and successfully tested from the 2020 to the 2023 conference editions.

Main topics

1. Ethics of population.
2. Reproductive ageing.
3. Becoming parent in a time of ecological crisis.
4. Children and adults from IVF parents and grandparents.
5. The evolution of reproductive surgery: back to basic or new frontiers?
6. Uterine and ovarian pathology, surgery and iatrogenic sequels.

Learning Program:

By attending the course, the participants will acquire:

- Evidence and research aspects of people perception of human fertility.
- Evidence and research aspects strategies to reduce female and male infertility.
- Evidence and research aspects of pathologies and medical treatment with an impact on fertility
- Environmental role in the process of infertility.
- Evidence and research add on in surgeries with an impact on fertility.

Audience:

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

GENERAL INFORMATION

The course is divided into two parts:

FIRST PART: Friday, September 20th – Saturday, September 21st, 2024.

Venue: 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.

The participation fee for one week (five working days) 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. The course is accredited as a single theoretical course.

Accredited professional categories:

- Surgeon within the disciplines of obstetrics and gynecology or urology
- Biologist, biotechnologists, midwives, nurses.

The issuing of credits is subject to effective participation in the entire educational program and the completion of a learning assessment questionnaire once the course is completed.

The CME credits will be awarded to all those that:

- Belong to the listed professions.
- Pass the assessment test.

Under the auspice of:



The 16th Humanitas Course in Reproductive Medicine.

born in ART: an evolution of parenthood

The Humanitas Fertility Center, continuing a historical scientific and educational tradition, is offering a two-day gathering – September 20th-21st, 2024, to provide clinical and research updates in reproduction as well as the opportunity to access the Fertility Center facilities for a training course

20th - 21st September 2024

Venue:

**Humanitas Congress Centre,
Via Manzoni 113, Rozzano (MI)**

Granted patronages:

**Humanitas University
Società Italiana di Ostetricia e Ginecologia (SIGO)
Società Italiana di Fertilità e Sterilità e Medicina della
Riproduzione (Sifes e MR)**

Granted patronages:

**EBCOG/ESHRE Subspecialty in Reproductive Medicine.
Miami University, Miller School of Medicine.**

Scientific Organizers

*Paolo Emanuele Levi-Setti
Pasquale Patrizio*

Local Organizing Committee:

*Andrea Busnelli
Federico Cirillo
Noemi Di Segni
Nicoletta Di Simone
Valentina Immediata
Massimo Romano
Camilla Ronchetti*

Registrations are open online at www.humanitasedu.it



Preliminary program

Friday September 20th, 2024

08.30 Opening remarks and description of the conference
Paolo Emanuele Levi Setti

09.00 Opening Lecture:
The new frontiers for Healthy Aging and Precision IVF
Pasquale Patrizio

1° session Ethics of population.

Chairs: *Giulia Scaravelli, Mara Campitiello*

09.30 Age-based restrictions on reproductive care: is it morally acceptable?
Guido Pennings

09.45 The gender gap
Valentina Sartori

10.00 From single child to family planning
Valentina Immediata

10.15 Discussion
Discussants: *Andrea Borini, Domenica Lo Russo*

10.45 Coffee Break

2° session Becoming parent in a time of ecological crisis.

(in collaboration with the SIFES- Special Interest Group "Fertility and Environment")

Chairs: *Maria Matteo, Filippo Ubaldi*

11.15 Not only Period Poverty assistance
Pernille Fenger

11.30 Can we make a difference? Insight from the "Humanitas Green Project"
Camilla Ronchetti

11.45 Can we bring sustainability in the IVF laboratory?
Alessandra Alteri

12.00 Discussion
Discussants: *Federico Cirillo, Annamaria Baggiani*

12.30 2nd Invited Lecture:
The Alabama connection in reproductive rights.
Françoise Shenfield

13.00 Lunch

3° session Reproductive ageing.

Chairs: *Paola Anserini, Attilio Di Spiezio*

14.30 PRP to improve uterine receptivity?
David Barad, via zoom talk

14.45 Ovarian rescue: fact or myth
Mauro Cozzolino

15.00 Recurrent abortion and implantation failure. Any connection?
Andrea Busnelli

15.15 Discussion
Discussants: *Giuseppe D'Amato, Alberto Vaiarelli*

15.45 Coffee Break

4° session Children and adults from IVF parents and grandparents.

Chairs: *Nicoletta Di Simone, Annamaria Marconi*

16.15 Long-term cardiovascular outcomes in children born after ART
Anja Pinborg, via zoom talk

16.30 ART: Maternal and children's risks.
Annalisa Inversetti

16.45 Long term cardiovascular risks in women who underwent ART
Giulio Stefanini

17.00 Discussion
Discussants: *Carlo Alviggi, Irene Cetin*

17.30 3rd Invited Lecture:
Health of children from ART older parents.
Alastair Sutcliffe

18.00 Closing of the first Conference Day

Saturday September 21st, 2024

09.00 4th Invited Lecture:
How to choose the right surgical approach for benign gynecological surgeries: back to basics, dollars and common sense
Josè Carugno

5° session The evolution of reproductive surgery: back to basic or new frontiers?

Chairs: *Pasquale Patrizio, Domenico Vitobello*

09.30 Endometriosis and oocyte quality. New answers for an old question
Valeria Stella Vanni

09.45 Endometriosis: vitrify the oocytes as the first option?
Paul Pirtea

10.00 Endometriosis: pharmacological and mininvasive approaches.
Dominique De Ziegler, via zoom talk

10.15 Discussion
Discussants: *Tommaso Bignardi, Josè Carugno*

10.30 Coffee Break

6° session Uterine pathology, surgery and iatrogenic sequels.

Chairs: *Paolo Emanuele Levi-Setti, Elena Zannoni*

10.45 Isthmocele, not cesarean section per sé, reduces in vitro fertilization success
Ettore Cicinelli

11.00 Isthmocele: hysteroscopic approach
Giampietro Gubbini

11.15 Isthmocele: Laparoscopic and vaginal approach
Massimo Candiani

11.30 Discussion
Discussants: *Marco Noventa, Pasquale Patrizio*

12.00 5th Invited Lecture:
Adenomyosis: Does or does not impact motherhood?
Nicola Pluchino

12.30 Conclusions and ECM