

SCIENTIFIC ORGANIZERS

Paolo Emanuele Levi-Setti
Pasquale Patrizio

LOCAL COMMITTEE

Elena Albani
Alessandra Drovanti
Luciano Negri
Elena Zannoni

The course is divided into two parts:

FIRST PART

FRIDAY, SEPTEMBER 20 – SATURDAY, SEPTEMBER 21, 2019

Congress Center Humanitas Research Hospital
Via Manzoni 113, 20089 Rozzano, Milan - Italy

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 (6,3 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.

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7th HUMANITAS COURSE IN REPRODUCTIVE MEDICINE

SEPTEMBER 20th- 21st, 2019

FOREVER FERTILE

The reality of a longer life and the dream of a future prolonged reproductive window.

VENUE

Congress Center Humanitas Research Institute
Via Alessandro Manzoni, 113 - Rozzano, Milan - Italy

SCIENTIFIC ORGANIZERS AND ORGANIZING SECRETARIAT

Humanitas Mirasole SPA
Via Manzoni 56 Rozzano MI
Tel. 02-82242249
centro.congressi@humanitas.it

HUMANITAS

FERTILITY CENTER

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OBJECTIVE

When the subspecialty of Reproductive Endocrinology and Infertility (REI) - Reproductive Medicine (RM) was formed within obstetrics and gynecology, the original focus was gynecologic and reproductive issues ranging from puberty through menopause, keeping in mind however that safety and efficacy 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.

In the field of reproductive health, research is proposing continuous innovations to be implemented in daily procedures and new a consciousness of future frontiers is emerging and the demand for infertility treatment is increasing all over the world. The 2019 topic is Forever Fertile, title of a recent publication of a member of our International Scientific Committee.

BACKGROUND INFORMATION

The Humanitas Fertility Center is the only Italian academy appointed by the European Board and College of Obstetrics and Gynecology (EBCOG) and by the European Society of Human Reproduction and Embryology (ESHRE) for **subspecialty training in Reproductive Medicine**. The ESHRE has been responsible for accreditation of the training in reproductive medicine in collaboration with the EBCOG. These organizations are responsible to the Union of Medical Specialties (UEMS), which represents the European Union (EU) governing body for medical practitioners' education. However, many countries within Europe do not have a specific national agency or a recognized national society able to provide the necessary structure or governance for proper training in Reproductive Medicine or to recognize a trainee as a fully qualified specialist upon completion of the training. In Italy, the five-year residency program in Obstetrics and Gynecology, including the directives from the Ministry of Health and University is structured with 3 years of general basic education followed by 2 years of full-time training in one of the following: fetal-maternal medicine, oncology, reproductive medicine, and more recently, urogynecology. In the USA, the subspecialty of reproductive endocrinology and infertility was officially recognized by the

ABOG (American Board of Obstetrics and Gynecology) in 1972 and currently requires 3 years of subspecialty training after completing a 4-year residency in obstetrics and gynecology. The European counterpart, the Reproductive Medicine Subspecialty Fellowship, is offered after a 5-year residency in general obstetrics and gynecology. Candidates for fellowship are required to apply to an accredited program within an ESHRE (European Society Human Reproduction and Embryology) / EBCOG (European Board College of Obstetrics and Gynecology) certified academic center and fulfill the additional years of dedicated training. The fellows in RM learn about endocrinology disorders ranging from abnormal pubertal development, recurrent miscarriage, polycystic ovarian syndrome (PCOS), menopause, contraceptive care. Research is also a basic requirement for the certification process. However, the training opportunities are still fragmented among countries and recognized fully by only a few European Governments. 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 5 sessions with 15 presentations (15 minutes each) and, as in the previous years, session chairs and discussants will support interactive debates. 4 Invited lectures will be also presented. This course is the seventh edition of this educational program.

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

AUDIENCE

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

FRIDAY SEPTEMBER 20th, 2019

8:45 Opening remarks and description of the conference *Paolo Emanuele Levi-Setti*

9:00 1st OPENING LECTURE: Why are women postponing motherhood?

Pasquale Patrizio

1° SESSION | THE AGING WOMEN

Chairs: Gianluca Gennarelli, Giulia Scaravelli

9:30 Ovarian and oocyte aging

Filippo Ubaldi

9:45 Uterine aging

Felice Petraglia

10:00 Endometrial aging

Andrea Borini

10:15 Discussion

Discussants: Laura Benaglia, Enrico Papaleo

10.45 1st INVITED LECTURE

Rejuvenating effect of pregnancy on the mother

Antonio Pellicer

11:15 Coffee Break

2° SESSION | THE AGING MEN

11:45 2nd INVITED LECTURE

The aging man

Carlo Foresta

Chairs: Luciano Negri, Elena Albani

12:15 The aging male: Reproductive overview

Pasquale Patrizio

12:30 Time related mutation in sperm number and quality

Valeria Scolare

12:45 Strategies to support reproduction in Advanced Paternal Age

Yves Menezo

13:00 Discussion

Discussants: Maurizio Guido, Antonio Palagiano

13:30 Lunch

3° SESSION | ART IN ELDERLY PATIENTS

Chairs: Paola Anserini, Patrizia Sulpizio

14:30 Ovarian tissue storing and re-transplant for menopausal postponement *Alberto Revelli*

14:45 Ovarian stimulation in older women, any news?

Pasquale Patrizio

15:00 PGT-a ART in advanced Maternal Age

Laura Sacchi

15:15 Is LH more useful in older patients?

Irene Zerbetto

15:30 Discussion

Discussants: Carlo Alviggi, Roberto Palermo

16:00 Coffee Break

16:30 3rd INVITED LECTURE

Fertility and Longevity

David Keefe

SATURDAY SEPTEMBER 21st, 2019

4° SESSION | PREGNANCY IN ELDERLY PATIENTS

9:00 4th INVITED LECTURE

Obstetrics complications in advanced maternal patients

Michael Paidas

Chairs: Fulvio Zullo, Enrico Ferrazzi

9:30 Pregnancy Risks in advanced maternal age

Stefania Ronzoni (Canada)

9:45 Delivery Risks in advanced maternal age

Annamaria Marconi

10:00 Vaginal Delivery in advanced maternal age

Irene Cetin

10:15 Discussion

Discussants: Paolo Emanuele Levi-Setti, Valeria Savasi

10:45 Coffee Break

5° SESSION | CHILDREN OF ELDERLY PARENTS

Chairs: Elena Zannoni, Alessandro Bulfoni

11:00 I wish a younger mother

David Keefe

11:15 I wish a younger father

Renzo Benaglia

11:30 Psychological aspects of older parents' child and young adults

Elisa Cesaratto

11:45 Discussion

Discussants: Silvia Ajossa, Paola Marangione

12:30 Conclusions and CME format compilation