



RESEARCH TOPIC CLIS

New technical and scientific findings in couple infertility

Research Area

Surgical Area

Clinical Unit name

Department of Gynecology, Division of Gynecology and Reproductive Medicine, Fertility Center

Supervisor

Paolo Emanuele Levi-Setti paolo.levi_setti@humanitas.it

Abstract

Object of the research activity Humanitas University and Humanitas Research Hospital have activated a research training program in Reproductive Medicine aimed at specialists in Obstetrics and Gynecology as part of which the topics related to scientific, clinical and translational research on couple infertility, pre- and post-conception genetics, gynecological endocrinology, ovulation induction and use of gonadotrophins in multi-ovulation will be explored. diagnostic imaging, ultrasound-guided collection and transfer techniques, outpatient endoscopy, laparoscopy and operative hysteroscopy, andrology, prevention and diagnostics of multiple pregnancies, assistance in the early stages of physiological and pathological gestation, follow-up of pregnancies in infertile patients and those undergoing assisted reproduction techniques (ART). The program includes a part of training in clinical practice in the areas studied.

Research activities include:

- support for research activities, including clinical and translational research, in projects related to Reproductive Medicine;
- conducting prospective, randomized, observational and retrospective studies on the topics covered by the Program.
- role of tutor in the teaching activity on the topics covered by the training program.
- Development of simulation training.

The clinical-assistance activity, estimated at least 20 hours per week, is carried out at the Humanitas Fertility Center, accredited as a Training Center by the European Board and College of Obstetrics and Gynaecology (EBCOG), Union Européenne des Médecins Spécialistes (UEMS) and the European Society of Human Reproduction and Embryology (ESHRE).

Scientific references

1. Busnelli A, Ciani O, Caroselli S, et al. Implementing preconception expanded carrier screening in a universal health care system: A model-based cost-effectiveness analysis. *Genet Med* 2023; **25**(11): 100943.

2. Busnelli A, Di Simone N, Levi-Setti PE. Artificial cycle frozen embryo transfer and obstetric adverse outcomes: association or causation? *Hum Reprod Update* 2023; **29**(5): 694-6.
3. Busnelli A, Schirripa I, Fedele F, Bulfoni A, Levi-Setti PE. Obstetric and perinatal outcomes following programmed compared to natural frozen-thawed embryo transfer cycles: a systematic review and meta-analysis. *Hum Reprod* 2022; **37**(7): 1619-41.
4. Di Segni N, Busnelli A, Secchi M, Cirillo F, Levi-Setti PE. Luteinizing hormone supplementation in women with hypogonadotropic hypogonadism seeking fertility care: Insights from a narrative review. *Front Endocrinol (Lausanne)* 2022; **13**: 907249.
5. Immediata V, Cirillo F, Baggiani A, et al. Why are they not coming back? A single-center follow-up study on oncological women oocyte's storing for fertility preservation. *Front Endocrinol (Lausanne)* 2022; **13**: 1054123.

Type of contract

Contract for continuative and coordinated service of at least € 26.000 activated Istituto Clinico Humanitas. This sum is subject to IRPEF income tax.

Contratto collaborazione coordinata e continuativa (cococo) pari ad almeno € 26.000 annui lordi attivato da Istituto Clinico Humanitas. Importo soggetto a tassazione IRPEF.